

EPA REGISTRATION NUMBER 45385-98 Vol 2

PROCESSING REQUEST

Reg # 45385-98 Decision # 413551

Description:

Material Available Electronically (see PPLS):

☐ Electronic Label/Letter Dated

☐ Other:

Material Sent (see jacket):

☒ Stamped Label/Letter Dated 3/24/15

☐ Notification Dated

☐ New CSF(s) Dated

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: L. DeLuise

Division: RD

Phone: 703.305.5428

Date: 3/24/15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 24, 2015

SENT BY E-MAIL

Mr. Benjamin Baker
Agent for CTX Cenol Corporation
1393 East Highland Road
Twinsburg, OH 44087

Subject: Amended Label for Cenol 0.25% Multipurpose Insecticide
EPA Reg. No. 45385-98

Dear Mr. Baker:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the permethrin RED(s), and has concluded that your submission is acceptable.

PLEASE NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

A copy of your label stamped "Acceptable" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Linda A. DeLuise at (703) 305-5428 or via e-mail at deluise.linda@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Gebken", is written over a horizontal line.

Richard Gebken
Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

CENOL 0.25% Multipurpose Insecticide

- FOR USE INDOORS and OUTDOORS
- KILLS AND REPELS MOSQUITOES AND TICKS
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND [MOSQUITO NETTING], NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE
- FOR LIVESTOCK AND PREMISE USE
- READY-TO-USE
- FOR CONTROL OF HOUSEHOLD PESTS
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS BED BUGS
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS
- FOR CONTROL OF PESTS ON LIVESTOCK
- With COUNTRY FRESH FRAGRANCE
- PROVIDES 60-DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60-DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- DILUTE FOR USE ON VEGETABLES, AND FRUIT, AND NUT TREES, ORNAMENTAL TREES AND PESTS ON THE OUTDOOR SURFACES OF BUILDINGS.

KEEP OUT OF REACH OF CHILDREN CAUTION

See side [back] panel(s) for additional precautionary statements.
STOP: Read Label Before Use

Active Ingredient:

Permethrin (CAS# 52645-53-1) 0.25%

Other Ingredients: 99.75%

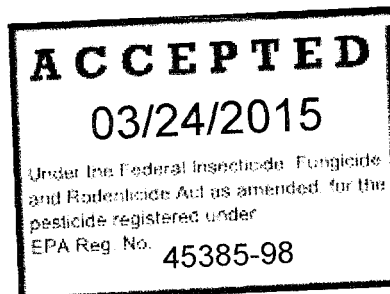
Total 100.00%

EPA Reg. No. 45385-98

EPA Est. No.

CTX-Cenol, Inc.
P.O. Box 472
Twinsburg, OH 44087

Net Contents: x Fl. Oz. [Pt. Qt. Gal]



USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS.

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

Hazards To Humans: User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Hazards To Domestic Animals: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical & Chemical Hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown for sale or other commercial use or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides

SHAKE WELL BEFORE USING.

FOR INDOOR RESIDENTIAL USE

For surface, spot, crack & crevice treatment only. Do not use as a space spray indoors. Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60-DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIRE BRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices and behind shelves and drawers. For silverfish, spray bookcases. For ants, spray trails, nests and points of entry. Treat travel luggage against picking up of insects such as bed bugs.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

TO CONTROL BED BUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Do not treat pillows or bed linens. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS (NYMPHS AND ADULTS) AND TICKS (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Allow to dry thoroughly before allowing pets to contact treated areas. Do not retreat in less than 60 days.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated articles to dry thoroughly before use.

LIVESTOCK PESTS

Ready-To-Use: Affix trigger, pump or other type of spray head to container or use a clean sprayer for application.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs and horses from: Horn Flies, Face Flies, House Flies, Mosquitoes and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY TO CONTROL FLEAS, TICKS AND LICE: Ready To Use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks, if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- Applications to soil or vegetation, as listed on this label, around structures;
- Applications to lawns, turf and other vegetation, as listed on this label.

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS: Ready To Use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS:

Ready To Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of run-off. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row (13 ounces of diluted mixture per 100 square feet). Flush spray with clean water after each use.

VEGETABLES	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications or retreat in less than 10 days. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles	Treat fern or bush growth after spear harvest when insects are present. Do not apply within 1 day of harvest.
Celery (see below: Leafy Vegetables)		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworm, diamond back moth, imported cabbageworm, cabbage aphid, cabbage looper	Apply every 5 days as needed. Do not apply more than 0.8 pound of active ingredient per acre per season. Do not apply within 1 day of harvest. Do not make more than 10 applications on cabbage or more than 8 applications on broccoli, Brussels sprouts and cauliflower/season.
Corn – see Sweet Corn below.		
CUCURBITS: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds, Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon and Persian melon, Pumpkin, Summer & Winter Squash, Watermelon	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, leafminers, melon worms, pickleworms, plant bugs and squash bugs	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest. Do not apply more than 1.6 pounds of active ingredient per acre per season. Do not reapply in less than 7 days.
Eggplant	Colorado potato beetles, vegetable leafminers	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Do not apply within 3 days of harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Do not apply within 10 days of harvest. Do not reapply in less than 10 days.
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dock endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers	Do not reapply in less than 7 days for lettuce, celery and 3 days for spinach and all other crops listed with the leafy vegetables. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons – See Cucurbits		

Potatoes	Beat armyworms, Colorado potato beetles, potato beetles, potato leafhoppers, potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 days prior to harvest. Do not reapply in less than 10 days.
Pepper, bell	Vegetable leafminers, cabbage loopers, flea beetles, corn earworms, southern armyworms, pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest. Do not reapply in less than 7 days.
Sweet Corn	Corn earworms, European corn borer, fall armyworms, southern armyworms	Spray plants when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest. Do not reapply in less than 3 days.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles, cabbage loopers	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest. Do not reapply in less than 5 days.
HOME OWNER GROWN FRUIT AND NUT TREES		
Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 oz.'s of water (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush spray with clean water after each use.		
TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	Plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth	Apply when insects appear. Do not reapply in less than 10 days. Do not make more than 3 applications per season and do not retreat for 10 days. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season. Do not reapply in less than 10 days.
Pears	Pear psyllid, green fruitworms and codling moth	Do not apply more than 3 applications per season. Do not reapply in less than 10 days. Can be applied up to 14 days prior to harvest.

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type of spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray, as well as whiteflies, aphids, exposed thrips, spiders, red mites and leafminers.

Use on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas. Use on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, crassula, grape vines, kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against white flies, aphids, spiders and red mites, exposed thrips, lace bugs, Japanese beetles, pavement ants, clover mites and armyworms.

When spraying plants, do not apply closer than 18 inches. Use a sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Add 1 tbsp spreader sticker per gallon.

Avoid heavy wetting. Use to control: pine moths, pine needle miners, pine beetles and needle scales on Pine; budworms on Conifers; oakworms on Oak, fall webworms on Cherry, Elm and Honeysuckle; aphids on Tulip Poplar; citrus blackflies on Non-bearing Citrus; tussock moths on Douglas and Grand Firs; elm leaf beetles and elm spanworms on Elms.

Flush sprayer with clean water after each use. Follow STORAGE and DISPOSAL section for disposal of rinsate.

KILLS AND REPELS MOSQUITOES AND TICKS FOR CLOTHING AND CAMPING GEAR MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS, GROUND CLOTHS and LUGGAGE

Use for residual protection and an insect repellent against ticks, chiggers and mosquitoes. Treat clothing and camping equipment and gear as follows:

SHAKE WELL BEFORE USING. This product should not be applied to clothing while it is being worn. Under NO circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes, see FIRST AID below. Make all applications outdoors.

For six-week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind. Spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding it at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing (pants and long sleeved shirt). Use remainder on gear. Follow normal laundering procedures weekly. Reapply after six weeks and sixth laundering.

In heavily infested areas, protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by using a skin-applied repellent to exposed skin surfaces.

Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6 to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Storage: Store this product in its original container in a dry, cool, secured area out of reach of children.

Pesticide Disposal: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: If Empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If Partly Filled: Call your local waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

SPILL: In case of spill, absorb liquid with absorbent material such as soil or clay, etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

WARRANTY STATEMENT: Our recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, to the extent consistent with applicable law, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. To the extent consistent with applicable law, the buyer must assume all responsibility, including injury or damages resulting from its misuse as such or in combination with other materials.

Product Batch Code No. _____

CENOL 0.25% Multipurpose Insecticide

- FOR ~~DOMESTIC~~ USE INDOORS and OUTDOORS
- KILLS AND REPELS MOSQUITOES AND TICKS
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND [MOSQUITO NETTING], NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE
- FOR LIVESTOCK AND PREMISE USE
- READY-TO-USE
- FOR CONTROL OF HOUSEHOLD PESTS
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS BED BUGS
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- With COUNTRY FRESH FRAGRANCE
- PROVIDES 60-DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60-DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- DILUTE FOR USE ON VEGETABLES, AND FRUIT, AND NUT TREES, ORNAMENTAL TREES AND PESTS ON THE OUTDOOR SURFACES OF BUILDINGS.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side [back] panel(s) for additional precautionary statements.

STOP: Read Label Before Use

Active Ingredient:

Permethrin (CAS# 52645-53-1) 0.25%

Other Ingredients: 99.50%

Total 100.00%

EPA Reg. No. 45385-98

EPA Est. No.

CTX-Cenol, Inc.

P.O. Box 472

Twinsburg, OH 44087

Net Contents: x Fl. Oz. [Pt. Qt. Gal]

PET USE APPLIES TO USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS.

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

Hazards To Humans: User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Hazards To Domestic Animals: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This pesticide product is extremely toxic to fish and other aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Do not apply directly to water.

This product pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical & Chemical Hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

Storage and Disposal

Do not contaminate water when disposing of equipment washwaters.

Storage: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

Pesticide Disposal: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: If Empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If Partly Filled: Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

SPILL: In case of spill, absorb liquid with absorbent material such as soil or clay, etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown for sale or other commercial use or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides

SHAKE WELL BEFORE USING.

FOR INDOOR RESIDENTIAL USE HOUSEHOLD PESTS:

For surface, spot, crack & crevice treatment application only. Do not use as a space spray indoors. Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60-DAY (TWO MONTHS) CONTROL OF **COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIRE BRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES:** Direct the spray into hiding places, cracks and crevices and behind shelves and drawers. For silverfish, spray bookcases. For ants, spray trails, nests and points of entry. Treat travel luggage against picking up of insects such as bed bugs.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

TO CONTROL BED BUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Do not treat pillows or bed linens. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS (NYMPHS AND ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. ~~Repeat treatment the next day if required.~~ Allow to dry thoroughly before allowing pets to contact treated areas. Do not retreat in less than 60 days.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated articles to dry thoroughly before use.

LIVESTOCK PESTS

Ready-To-Use: Affix trigger, pump or other type of spray head to container or use a clean sprayer for application.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs and horses from: Horn Flies, Face Flies, House Flies, Mosquitoes and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY TO CONTROL FLEAS, TICKS AND LICE: ~~Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.~~ Ready To Use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks, if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- Applications to soil or vegetation, as listed on this label, around structures:
- Applications to lawns, turf and other vegetation, as listed on this label.

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS: Ready To Use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS:

Ready To Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of run-off. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row (13 ounces of diluted mixture per 100 square feet). Flush spray with clean water after each use.

VEGETABLES	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications <u>or retreat in less than 10 days</u> . Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles	Treat fern or bush growth after spear harvest when insects are present. <u>Do not apply within 1 day of harvest.</u>
Celery (see below: Leafy Vegetables)		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworm, diamond back moth, imported cabbageworm, cabbage aphid, cabbage looper	Apply every 5 days or as needed. <u>Do not apply more than 0.8 pound of active ingredient per acre per season. Do not apply within 1 day of harvest. Do not make more than 10 applications on cabbage or more than 8 applications on broccoli, Brussels sprouts and cauliflower/season.</u> Can be applied up to one day prior to harvest. Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts & Cauliflower per season.

Corn – see Sweet Corn below.		
CUCURBITS: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds, Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon and Persian melon, Pumpkin, Summer & Winter Squash, Watermelon	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, leafminers, melon worms, pickleworms, plant bugs and squash bugs	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest. <u>Do not apply more than 1.6 pounds of active ingredient per acre per season.</u> <u>Do not reapply in less than 7 days.</u>
Eggplant	Colorado potato beetles, vegetable leafminers	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. <u>Do not apply within 3 days of harvest.</u> Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. <u>Can be applied up to 22 days prior to harvest.</u> <u>Do not apply within 10 days of harvest.</u> <u>Do not reapply in less than 10 days.</u>
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dock endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers	<u>Spray every 5 to 10 days as needed.</u> <u>Do not reapply in less than 7 days for lettuce, celery and 3 days for spinach and all other crops listed with the leafy vegetables.</u> Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons – See Cucurbits		
Potatoes	Beet armyworms, Colorado potato beetles, potato beetles, potato leafhoppers, potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 days prior to harvest. <u>Do not reapply in less than 10 days.</u>
Pepper, <u>bell</u>	Vegetable leafminers, cabbage loopers, flea beetles, corn earworms, southern armyworms, pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest. <u>Do not reapply in less than 7 days.</u>
Sweet Corn	Corn earworms, European corn borer, fall armyworms, southern armyworms	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest. <u>Do not reapply in less than 3 days.</u>
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles, cabbage loopers	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest. <u>Do not reapply in less than 5 days.</u>

HOME OWNER GROWN FRUIT AND NUT TREES		
Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 oz.'s of water (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush spray with clean water after each use.		
TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	Plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth	Apply when insects appear. Repeat as required to maintain control. <u>Do not reapply in less than 10 days. Do not make more than 3 applications per season and do not retreat for 10 days.</u> Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season. <u>Do not reapply in less than 10 days.</u>
Pears	Pear psyllid, green fruitworms and codling moth	Apply when needed. Do not apply more than 3 applications per season. <u>Do not reapply in less than 10 days.</u> Can be applied up to 14 days prior to harvest.

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type of spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray, as well as whiteflies, aphids, exposed thrips, spiders, red mites and leafminers.

~~May be used~~ Use on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas. ~~May also be used~~ Use on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, crassula, grape vines, kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against white flies, aphids, spiders and red mites, exposed thrips, lace bugs, Japanese beetles, pavement ants, clover mites and armyworms.

When spraying plants, do not ~~operate~~ apply closer than 18 inches. Use a sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Add 1 tbsp spreader sticker per gallon.

Avoid heavy wetting. Use to control: pine moths, pine needle miners, pine beetles and needle scales on Pine; budworms on Conifers; oakworms on Oak, fall webworms on Cherry, Elm and Honeysuckle; aphids on Tulip Poplar; citrus blackflies on Non-bearing Citrus; tussock moths on Douglas and Grand Firs; elm leaf beetles and elm spanworms on Elms.

Flush sprayer with clean water after each use. Follow STORAGE and DISPOSAL section for disposal of rinsate.

KILLS AND REPELS MOSQUITOES AND TICKS FOR CLOTHING AND CAMPING GEAR MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS, GROUND CLOTHS and LUGGAGE

Use for residual protection and an insect repellent against ticks, chiggers and mosquitoes. Treat clothing and camping equipment and gear as follows:

SHAKE WELL BEFORE USING. This product should not be applied to clothing while it is being worn. Under NO circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes, see FIRST AID below. Make all applications outdoors.

For six-week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind. Spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding it at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing (pants and long sleeved shirt). Use remainder on gear. Follow normal laundering procedures weekly. Reapply after six weeks and sixth laundering.

In heavily infested areas, protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by using a skin-applied repellent to exposed skin surfaces. ~~applying an EPA approved repellent, as directed, to face, hands and other exposed areas of the body.~~

Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6 to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. when disposing of equipment washwaters.

Storage: Store this product in its original container in a dry, cool, secured area out of reach of children. ~~Do not contaminate water, foodstuffs, feed or seed by storage or disposal.~~

Pesticide Disposal: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling Disposal: If Empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If Partly Filled: Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

SPILL: In case of spill, absorb liquid with absorbent material such as soil or clay, etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

WARRANTY STATEMENT: Our recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, to the extent consistent with applicable law, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. To the extent consistent with applicable law, the buyer must assume all responsibility, including injury or damages resulting from its misuse as such or in combination with other materials.

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully, however it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of CTX CENOL, INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** there are no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise which extend beyond the statements made on this label. No agent of CTX CENOL, INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

CTX CENOL, INC. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price or at CTX CENOL, INC.'s option, the replacement of the product.

Physical & Chemical Hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

Product Batch Code No. _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 25, 2015

SENT BY E-MAIL

Mr. Benjamin Baker
Agent for CTX Cenol Corporation
1393 East Highland Road
Twinsburg, OH 44087

Subject: Request for Updated Reregistration Label for EPA Reg. No.45385-98
Product Name: Cenol 0.25% Multipurpose Insecticide

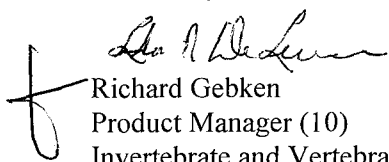
Dear Mr. Baker:

The Agency has completed a preliminary review of the label that your company submitted in support of the reregistration of EPA Reg. No. 45385-98, **Cenol 0.25% Multipurpose Insecticide**, and has determined that the referenced label did not effectively incorporate all mandatory mitigation language required by the RED(s) for products containing permethrin. Please refer to the attached preliminary label review for assistance in updating this label.

Within 10 working days of the date of this letter, you must submit an updated label incorporating all mandatory mitigation language required by the RED(s) for permethrin. If we do not receive an amended label in response to this letter, the Agency may pursue further regulatory action, including cancellation under section 6 of FIFRA.

If you have any questions about this letter, please contact Linda A. DeLuise at (703) 305-5428 or via e-mail at deluise.linda@epa.gov or Mr. Richard J. Gebken at (703) 305-6701 or via e-mail at Gebken.Richard@epa.gov. When submitting the amended label in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely yours,


Richard Gebken
Product Manager (10)
Invertebrate and Vertebrate Branch #2
Office of Pesticide Programs

*Enclosures: Copy of review dated October 28, 2013
Copy of product chemistry review dated September 17, 2012
Copy of toxicology review dated August 12, 2013*

45385-98 D413551



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MAR 18 2014

Mr. H.R. McLane, Inc.
CTX Cenol Corporation
c/o H.R. McLane, Inc.
7210 Red Road, Suite 206A
Miami, FL 33143

Subject: Request for Updated Reregistration Label for EPA Reg. No. 45385-98
Product Name: Cenol 0.25% Multipurpose Insecticide

Dear Mr. McLane:

The Agency has completed a preliminary review of the label that your company submitted in support of the reregistration of EPA Reg. No. 45385-98 (Cenol 0.25% Multipurpose Insecticide), and has determined that the referenced label did not effectively incorporate all mandatory mitigation language required by the RED(s) for products containing Permethrin. Make the following changes to the label:

Make the following changes on the first page the label:

1. Delete the word "**Domestic Use**" from the heading "For Domestic Use Indoors and Outdoor".
2. Change "**Household Pests**" to "**Pest**" under the heading "For Indoor Residential".
3. Also under the same heading revise "**for spot application only**" to read: "**For surface, spot, crack, and crevice treatment only**".
4. Under the heading "for Insect Pest on Dogs" starting with the sentence "Ready to Use." Move the entire paragraph to "**Hazards to Humans and Domestic Animals**" section of the label. (Delete the language about it from the label.
5. The remove the "asterisk" from underneath the "To Control Carpet Beetles" paragraph.
6. Revise the sentence "**Pet Use Applies to Use Only on Dogs**" to read "**Use only on Dogs. Do Not Use on Cats or Kittens.**"
7. Add the section "**Hazards to Humans and Domestic Animals**" and the following language:

Hazards to Humans: User should wash hands before eating, chewing gum, using tobacco, or using the toilet."

Hazards to Domestic Animals:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian

8. Under the heading “To Control Bedbugs: Add **“Do not treat pillows or bed linens”**.”
9. Revise the **“Precaution Statements: Environmental Hazards”** with the following language:

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.”

10. Under the heading “Control Fleas: Change the words **“Adults and Larvae”** to **“Nymphs and Adults”**”
11. Within the Precautionary Statements section add the section entitled “Hazards to Humans and Domestic Animals as follows:

Hazards to Humans and Domestic Animals:

Hazards to Humans:

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Hazards to Domestic Animals:

Do not use on dogs twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pets with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately”.

12. Place the following directly under the header **“For Use Outdoors”**:

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- Applications to soil or vegetation, as listed on this label, around structures;
- Applications to lawns, turf, and other vegetation, as listed on this label.

13. Revise the last sentence under the heading “Storage and Disposal- Storage” to read **“Do not contaminate water, food or feed by storage or disposal.”**
14. Under the heading “To Control Flea: revise the statement **“Repeat treatment the next day if required”** to read: **“Do not retreat less than 60 days.**
15. Under the heading “Storage and Disposal” replace “Container Disposal” to **“Container Handling”**.”

16. The net contents must be expressed in fluid ounces. This is a liquid spray, not a pressurized container.

Make these changes on page 2 of the label:

1. Under the heading "Remarks" revise sentence 2 to read: **"Do not make more than 4 applications, or retreat less than 10 day"**.
2. Add the following statement at the end of "Remark 2": **"Do not apply within 1 day of harvest."**
3. Replace "Remark 3" with **"Apply every 5 days as needed. Do not apply more than 0.8 pound of active ingredient per acre per season. Do not apply within 1 day of harvest. Do not make more than 10 applications on cabbage or more than 8 applications on broccoli, brussels sprouts, and cauliflower/season."**
4. Add the following statement to "Remark 4": **"Do not apply more than 1.6 pounds of active ingredient per acre per season. Do not reapply less than 7 days."**
5. Revise the last sentence in "Remark 5" to read: **"Do not apply within 3 days of harvest."**
6. Revise the last sentence in "Remark 6" to read: **"Do not apply within 10 days of harvest. No not reapply less than 10 days."**
7. Revise the first sentence of "Remark 7" with the following statement: **"Do not reapply less than 7 days for lettuce, celery, and 3 days for spinach and all other crops listed with the leafy vegetables."**

Make these changes on page 3 of the label:

1. At the end of **"Remark 1"** add **"Do not reapply less than 10 days."**
2. Under Vegetables section of the label replace "Peppers" with **"Pepper, bell"**
3. At the end of "Remark 2" add **"Do not reapply less than 7 days."**
4. Delete **"every 5 days and"** from "Remark 3". Also, in "At the end of "Remark 3" add **"Do not reapply less than 3 days."**
5. At the end of "Remark 4" add **"Do not reapply less than 5 days."**
6. In "Remark 6" delete "Repeat as required to maintain control." Replace it with **"Do not reapply less than 10 days."** Also in "Remark 6 delete "do not make more than 3 applications per season." Replace it with **"Do not make more than 3 applications per season and do not retreat for 10 days."**
7. At the end of "Remark 7" add **"Do not apply less than 10 days."**

8. Delete "**Apply when needed**" from "Remark 7" and replace it with "**Do not reapply less than 10 days.**"

Make the following Changes on page 4 of the label.

1. On page 4 of the label delete the entire section entitled "Condition of Sale".
2. Under the 2nd paragraph under the heading "Ornamental Flower Gardens" delete part of the first sentence "**May be use**". Replace it with "**Use**".
3. Also **make** the exact correction for the second sentence in the same paragraph.
4. Under the same heading paragraph 4, sentence 1 replace the word "**operate**" with the word "**apply**".
5. Paragraph 2 following the heading "Shake Well Before Using" at the bottom of the paragraph replace the word "**clothing**" with "**clothing (pants and long sleeved shirt).**"
6. Paragraph 3 replace "**an EPA approved repellent**" with "**Use a skin applied repellent to expose sin surfaces.**"
7. Change "Hysical and Chemical Hazards" to "**Physical and Chemical Hazards**".

If you have any questions about this letter, please contact either Dani Daniel at (703) 305-5409 or via e-mail at daniel.dani@epa.gov or Richard J. Gebken at (703) 305-6701 or via e-mail at Gebken.Richard@epa.gov during the hours of 9:00 am to 5:30 pm EST. When submitting the amended label in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely yours,



Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING.**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "Ready to use". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry. **Treat travel luggage against picking up of insects such as bedbugs.**

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. **Surfaces to thoroughly dry before remaking bed.**

TO CONTROL FLEAS (ADULTS and LARVAE) and TICKS: 10 ADULTS and LARVAE

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

PRODUCT BATCH CODE NO.

CHEMotox™

CENOL 0.25% MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- KILLS AND REPELS MOSQUITOS AND TICKS.
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND MOSQUITO NETTING, NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE.
- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS. CONTROLS BEDBUGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for additional Precautionary Statements.
STOP: Read Label Before Use

ACTIVE INGREDIENT: Permethrin CAS [52645-53-1] - - - - 0.25%
OTHER INGREDIENTS: - - - - - 99.75%
TOTAL: - - - - - 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS Environmental Hazards

9 This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

11 Do not contaminate water when disposing of equipment washwaters.
STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.
PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL - IF EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above. 1022-10

Net Contents: 6 Oz., 12 Oz., 1 Qt.; 1 Gal = 3.785 Liters

CTX CENOL INC. P.O. BOX 472 · TWINSBURG, OH 44087

Label Unit 1 OF 4

DIRECTIONS FOR USE continued

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.
ON LIVESTOCK. To protect cattle (beef and dairy), goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

4 Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. **Ready To Use.** Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY

AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready To Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (11-30-10)

Page 4 of 9

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING.**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "Ready to use". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry. Treat travel luggage against picking up of insects such as bedbugs.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and TICKS: (ADULTS and LARVAE)

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. low to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

PRODUCT BATCH CODE NO.

Order Code 0-312

CHEMotox™ CENOL 0.25% MULTI PURPOSE INSECTICIDE

•FOR DOMESTIC USE INDOORS and OUTDOORS

- KILLS AND REPELS MOSQUITOS AND TICKS.
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND MOSQUITO NETTING, NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE.
- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS. CONTROLS BEDBUGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for additional Precautionary Statements.
STOP: Read Label Before Use

ACTIVE INGREDIENT:
Permethrin CAS [52645-53-1] - - - - 0.25%
OTHER INGREDIENTS: - - - - - 99.75%
TOTAL: - - - - - 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385-OH-01
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters. **STORAGE:** Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

Net Contents: 16 Oz., 12 Oz., 1 Qt.; 1 Gal = 3.785 Liters

CTX CENOL INC. P.O. BOX 472 - TWINSBURG, OH 44087

DIRECTIONS FOR USE continued

Label Unit 1 OF 4

LIVESTOCK PESTS

Ready To Use: Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for sale. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. **Ready To Use:** Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY

AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready To Use: To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (11-30-10)

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Summary of Comments on Reregistration label for 0045385-00098.pdf

Page: 1

Number: 1	Author: Richard	Subject: Cross-Out	Date: 3/12/2014 9:31:01 PM
Remove "Domestic Use" This is a misleading statement"			
Number: 2	Author: Richard	Subject: Cross-Out	Date: 3/9/2014 8:30:40 PM
Change "Household Pests" to "Use"			
Number: 3	Author: Richard	Subject: Replacement Text	Date: 3/9/2014 8:32:56 PM
Change "For spot application only." to "For Surface, Spot, crack and crevice treatment only."			
Number: 4	Author: Richard	Subject: Cross-Out	Date: 3/12/2014 9:29:16 PM
Move this language to the Hazards to Humans and Domestic Animals section of the label.			
Number: 5	Author: Richard	Subject: Cross-Out	Date: 3/9/2014 8:33:24 PM
Remove the "*"			
Number: 6	Author: Richard	Subject: Cross-Out	Date: 3/9/2014 8:41:17 PM
Replace "PET USE APPLIES TO USE ONLY ON DOGS" with USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS"			
Number: 7	Author: Richard	Subject: Sticky Note	Date: 3/9/2014 9:20:08 PM
This label is missing an entire section entitled "HAZARDS TO HUMANS AND DOMESTIC ANIMALS" Below add the following language: Hazards to Humans: "User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet " Hazards to Domestic Animals Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.			
Number: 8	Author: Richard	Subject: Sticky Note	Date: 3/9/2014 8:36:14 PM
Add "Do not treat pillows or bed linens"			
Number: 9	Author: Richard	Subject: Cross-Out	Date: 3/9/2014 8:44:28 PM
Replace the existing text with "This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area."			
Number: 10	Author: Richard	Subject: Cross-Out	Date: 3/9/2014 8:34:55 PM
Replace "(ADULTS and LARVAE): " with "Nymphs and Adults"			
Number: 11	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 9:28:25 PM
Within the Precautionary Statements section, a section entitled "Hazards to Humans and Domestic Animals is needed as follows: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Hazards to Humans: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Hazards to Domestic Animals: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately."			
Number: 12	Author: Richard	Subject: Sticky Note	Date: 3/9/2014 8:54:40 PM
The following statement needs to be placed directly under the header "FOR USE OUTDOORS" All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: o Applications to soil or vegetation, as listed on this label, around structures;			

Comments from page 1 continued on next page

o Applications to lawns, turf, and other vegetation, as listed on this label;

T Number: 13 Author: Richard Subject: Replacement Text Date: 3/9/2014 9:00:04 PM

Replace with "Do **not contaminate water, food or feed by storage or disposal.**

T Number: 14 Author: Richard Subject: Replacement Text Date: 3/9/2014 8:38:33 PM

This product by claim provides

60 days of control, therefore the statement "Repeat treatment the next day if required. " needs to be changed to "Do not retreat less than 60 days.

T Number: 15 Author: Richard Subject: Replacement Text Date: 3/9/2014 9:01:25 PM

Replace "**Container Disposal**" with "**Container Handling**"

T Number: 16 Author: Richard Subject: Highlight Date: 3/9/2014 8:45:41 PM

The net contents needs to be expressed in fluid ounces. This is a liquid spray, not a pressurized container.

CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 2 o 4

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

FOR HOME VEGETABLE GARDENS

Dilute before using. Use A clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLES	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest. ¹
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present. ²
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season. ³
Corn - see Sweet Corn below.		
CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon.	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest. ⁴
Eggplant	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest. ⁵
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest. ⁶
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach. Swiss chard,	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. ⁷ Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest. ¹¹⁻³⁰⁻¹⁰
Melons - See Cucurbits		







Page 6 of 19

Page: 2

-
- Number: 1 Author: Richard Subject: Replacement Text Date: 3/11/2014 9:40:57 PM
Replace "Do not make more than 4 applications. " with "Do not make more than 4 applications, or retreat less than 10 days.
-
- Number: 2 Author: Richard Subject: Sticky Note Date: 3/13/2014 7:36:31 AM
Add the following:
"Do not apply within 1 day of harvest. "
-
- Number: 3 Author: Richard Subject: Replacement Text Date: 3/12/2014 8:37:55 PM
Replace this text with:
"Apply every 5 days as needed. Do not apply more than 0.8 pound of active ingredient per acre per season. Do not apply within 1 day of harvest. To not make more than 10 applications on cabbage or more than 8 applications on broccoli, brussels sprouts, & cauliflower/season."
-
- Number: 4 Author: Richard Subject: Sticky Note Date: 3/12/2014 8:44:29 PM
Add the following text: "Do not apply more than 1.6 pounds of active ingredient per acre per season. Do not reapply less than 7 days.
-
- Number: 5 Author: Richard Subject: Replacement Text Date: 3/11/2014 10:49:53 PM
Replace with "Do not apply within 3 days of harvest"
-
- Number: 6 Author: Richard Subject: Replacement Text Date: 3/12/2014 8:46:28 PM
Replace with "Do not apply within 10 days of harvest." To not reapply less than 10 days.
-
- Number: 7 Author: Richard Subject: Replacement Text Date: 3/12/2014 10:02:10 PM
Spray as needed. Do not reapply less than 7 days for lettuce, Celery, and 3 days for spinach and all other crops listed within the leafy vegetables.






CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 3 o 4

VEGETABLES	TARGET PESTS	REMARKS
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.  1
Peppers  2	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.  3
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants  4 every 5 days and when needed. Do not make more than 6 applications per season.  5 Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.  6

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.  7
Apples	plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear.  8 Repeat as required to maintain control.  9 Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.  10
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed.  11 Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest. 11-30-10

Page: 3

Number: 1	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 8:58:09 PM
Add Do not reapply less than 10 days.			
Number: 2	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 8:56:00 PM
Replace with "Peppers, bell "			
Number: 3	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 8:56:36 PM
Add "Do not reapply less than 7 days.			
Number: 4	Author: Richard	Subject: Cross-Out	Date: 3/12/2014 8:57:23 PM
Number: 5	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 8:58:00 PM
Do not reapply less than 3 days.			
Number: 6	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 8:58:39 PM
Do not reapply less than 5 days.			
Number: 7	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 9:00:52 PM
Do not reapply less than 10 days.			
Number: 8	Author: Richard	Subject: Cross-Out	Date: 3/12/2014 9:01:53 PM
Replace with "Do not reapply less than 10 days."			
Number: 9	Author: Richard	Subject: Cross-Out	Date: 3/11/2014 9:32:35 PM
Replace "Do not make more than 3 applications per season." with "Do not make more than 3 applications per season and do not retreat for 10 days.			
Number: 10	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 9:02:30 PM
Add "Do not apply less than 10 days."			
Number: 11	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:03:13 PM
Replace with "Do not reapply less than 10 days."			

CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 4 o 4

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers.

May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders" and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms.

When spraying plants, do not operate sprayer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Add 1 tbsp spreader sticker per gallon.

Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak, Fall Webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Firs; Elm Leaf Beetles and Elm Spanworms on elms.

Flush sprayer with clean water after each use. Follow STORAGE and DISPOSAL section for disposal of rinsate.

KILLS AND REPELS MOSQUITOS AND TICKS

FOR CLOTHING AND CAMPING GEAR MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS, GROUND CLOTHS and LUGGAGE.

Use for residual protection and an insect repellent against ticks, chiggers and mosquitos. Treat clothing, and camping equipment and gear as follows:

SHAKE WELL BEFORE USING. This product should not be applied to clothing while it is being worn. Under NO Circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes—see "First Aid" below. Make all applications outdoors.

For six week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind, spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding it at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers, and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs, and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing. Use remainder on gear. Follow normal laundering procedure weekly. Reapply after six weeks and sixth launderings.

In heavily infested areas protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by applying an EPA-approved repellent to face, hands and other exposed areas of the body.

Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6" to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article, until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks.

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully, however it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX-CENOL INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX-CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

CTX-CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX-CENOL INC.'s option, the replacement of the product.

PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

Page: 4

Number: 1	Author: Richard	Subject: Cross-Out	Date: 3/12/2014 9:11:31 PM
Number: 2	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:04:16 PM
Replace "May be used" with "Use"			
Number: 3	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:04:40 PM
Replace "May be used" with "Use"			
Number: 4	Author: Richard	Subject: Sticky Note	Date: 3/12/2014 9:33:12 PM
Number: 5	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:05:12 PM
Replace "operate" with "apply"			
Number: 6	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:07:42 PM
replace "clothing" with "clothing (pants and long sleeved shirt)."			
Number: 7	Author: Richard	Subject: Replacement Text	Date: 3/9/2014 8:58:42 PM
Change 'HYSICAL AND CHEMICAL HAZARDS" TO "PHYSICAL AND CHEMICAL HAZARDS" to correct the typo here.			
Number: 8	Author: Richard	Subject: Replacement Text	Date: 3/12/2014 9:09:56 PM
replace "an EPA approved repellent" with "a skin applied repellent to exposed skin surfaces. Use "			

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING.**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "Ready to use". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRAY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry. Treat travel luggage against picking up of insects such as bedbugs.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

*

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and TICKS: (ADULTS and LARVAE):

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

Order Code 0-312

PRODUCT BATCH CODE NO. _____

CHEM•tox™

CENOL 0.25%

MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- KILLS AND REPELS MOSQUITOS AND TICKS.
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND MOSQUITO NETTING], NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE.
- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS. CONTROLS BEDBUGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for additional Precautionary Statements.

STOP: Read Label Before Use

ACTIVE INGREDIENT:

Permethrin CAS [52645-53-1] - - - - - 0.25%
OTHER INGREDIENTS: - - - - - 99.75%
TOTAL : - - - - - 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters.

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL IF EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above. 10-22-10

Net Contents: 6 Oz., 12 Oz., 1 Qt.; 1 Gal = 3.785 Liters

CTX CENOL INC. P.O. BOX 472 • TWINSBURG, OH 44087

Label Unit 1 OF 4

DIRECTIONS FOR USE continued

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK. To protect cattle (beef and dairy), goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS:

Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready-To-Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (11-30-10)

CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 2 o 4

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

FOR HOME VEGETABLE GARDENS

Dilute before using. Use A clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLES	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn below.		
CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon.	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garden) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach. Swiss chard,	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest. 11-30-10
Melons - See Cucurbits		

VEGETABLES	TARGET PESTS	REMARKS
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Peppers	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest. 11-30-10

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers.

May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, Luonymus, fuchsia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders' and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Add 1 tbsp spreader sticker per gallon.

Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak, Fall Webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Firs; Elm Leaf Beetles and Elm Spanworms on elms.

Flush sprayer with clean water after each use. Follow STORAGE and DISPOSAL section for disposal of rinsate.

KILLS AND REPELS MOSQUITOS AND TICKS

FOR CLOTHING AND CAMPING GEAR MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS, GROUND CLOTHS and LUGGAGE.

Use for residual protection and an insect repellent against ticks, chiggers and mosquitos. Treat clothing, and camping equipment and gear as follows:

SHAKE WELL BEFORE USING. This product should not be applied to clothing while it is being worn. Under NO Circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes, see "First Aid" below. Make all applications outdoors.

For six week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind, spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding it at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers, and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs, and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing. Use remainder on gear. Follow normal laundering procedures weekly. Reapply after six weeks and sixth launderings.

In heavily infested areas protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by applying an EPA approved repellent, as directed, to face, hands and other exposed areas of the body.

: Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6" to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article, until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks. 11-30-10.

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully, however it is impossible eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX CENOL INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

CTX CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX CENOL INC.'s option, the replacement of the product.

PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

Date: October 28, 2013

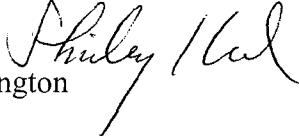
Reg. No.: 45385-98

Product Name: Cenol 0.25% Multipurpose Insecticide

PM Name/Number: Richard Gebken, Risk Management Team 10

Primary Reviewer: Shirley Keel

Secondary Reviewer: Linda Arrington



New label or date of RD amended label: Not dated

Active Ingredient(s) Assessed: Permethrin/109701

Formulation Type: Pressurized Liquid

Other ai's in product

Name/PC code: N/A

Reregistration Status or Registration Date: N/A

Note to PM:

- 1) The title of the product label contains the reference "For Domestic Use." In the text, the use sites include premises and poultry houses. The phrase "For Domestic Use" currently on the label is misleading. RMIB V defers to RD regarding this issue.
- 2) It is strongly recommended that the label be revised to clearly state which restrictions and directions apply to occupational or residential uses. A master label with separate occupational and residential sections is the preferred format for this label. This assessment will separately address required label revisions for occupational and residential settings.
- 3) The Risk Management and Implementation Branch V (RMIB V) notes that there is some duplication between precautions and restrictions text required in the REDs for occupational and residential uses. For the sake of clarity, RMIB V has listed the required (and in some cases duplicate) text in each section below. RD may choose to consolidate this text. RMIB V defers to RD regarding this issue.
- 4) RD should ensure that the Storage and Disposal Section is in compliance with PR Notice 2007-4.
- 5) Use-specific rate/application restrictions for the a.i. Permethrin are as follows:
 - For formulation into products intended for impregnated fabric applications: "Do not exceed an application rate equivalent to 1.25 grams of a.i. per square meter of fabric."

Assessment can be found in N:\RMIBV\label\045385\098

Comments that pertain to both occupational and residential sections of the label:

1) The Environmental Hazards statements must be revised to read:

“This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.”

2) On page 8, the heading “Hysical and Chemical Hazards” should read “**Physical and Chemical Hazards.**”

3) The Storage and Disposal section needs to be revised. Recommended revisions are listed below.

- The following statement under the heading Storage and Disposal “Do not contaminate water when disposing of equipment washwaters” must be revised to read “**Do not contaminate water, food or feed by storage or disposal.**”
- Per Label Review Manual of January 2012, the subheading “Container Disposal” should be changed to read: “**Container Handling.**”

Comments that pertain only to the occupational use section of the label:

4) Per the Permethrin RED, the following PPE must be added to the label: “All handlers must wear long-sleeve shirt, long pants, shoes and socks.”

5) User Safety Requirements text must be added to the label:

“User Safety Requirements

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.”

6) User Safety Recommendations must be added to the label and placed in a box:

“User Safety Recommendations

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.”

7) Per the REDs, the following precautions and restrictions must appear on the label, and any conflicting text must be deleted:

- “Entry Restriction:
Except when applying to dogs or livestock, do not enter or allow others to enter until sprays have dried.
- Application Restrictions:
 - Except when applying to dogs or livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
 - For use around or near floor drains, add:
Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
 - When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
 - For use on residential indoor surfaces, add:
Not for **broadcast** use on indoor residential surfaces.
 - Per the revised general labeling for Pyrethroid Non-Agricultural Outdoor Products on 12/21/2012, additional application restrictions for residential outdoor surface sprays, should be added to Directions for Use.

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- Applications to soil or vegetation, as listed on this label, around structures;
- Applications to lawns, turf, and other vegetation, as listed on this label;

- Applications to the side of a building, up to a maximum height of 3 feet above grade;
- Applications to the underside of eaves, soffits, doors, or windows permanently protected from rainfall by covering, overhang, awning, or other structure;
- Applications around potential pest entry points into buildings, when limited to a surface band **not to exceed one inch in width**;
- Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.”
- For non-agricultural indoor use, add:
Do not use in aircraft cabins.
- For outdoor residential uses, add:
 - Do not water the treated area to the point of run-off.
 - Do not make applications during rain.
- For products not use in outdoor residential misting systems, add:
Not for use in outdoor residential misting systems.”

8) In the table “For Home Vegetable Gardens” on page 7, the last sentence in the “Remarks” column relating to potatoes should read “Can be applied up to 7 **days** prior to harvest.”

9) In the table “Home Owner Grown Fruit and Nut Trees” on page 7, the date (11-30-10) in the “Remarks” column relating to pears should be removed.

Comments that pertain only to the residential use section of the label:

10) Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be added to the label:

“Caution: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.”

11) Per the REDs, the following precautions and restrictions must appear on the label, and any conflicting text must be deleted:

- “Entry Restriction:
Except when applying to dogs or livestock, do not enter or allow adults, children, or pets to enter the treated area until sprays have dried.
- Application Restrictions:
Except when applying to dogs or livestock, do not apply this product in a way that will contact adults, children, or pets either directly or through drift. Remove pets, birds, and cover fish aquariums before spraying.
- For use around or near floor drains, add:
Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- For Outdoor Residential Use, add:
All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
 - (1) Treatment to soil or vegetation around structures;
 - (2) Applications to lawns, turf, and other vegetation;
 - (3) Applications to building foundations, up to a maximum height of 3 feet.
 Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.
- Do not water the treated area to the point of run-off.
- Do not make applications during rain.
- For products not use in outdoor residential misting systems, add:
Not for use in outdoor residential misting systems.”

DATE OUT: 9/17/2012

SUBJECT: PRODUCT CHEMISTRY REVIEW OF: TGAI []; MUP []; EUP [X]

BARCODE NO.: 405006

REG./FILE SYMBOL NO.: 45385-98

PRODUCT NAME: CENOL 0.25% Multi-Purpose Insecticide
456195-02, and 480314-02MRID NOS: 419891-01, 424537-01,COMPANY NAME: CTX-CENOL, Inc. ACTION CODE: 676

FROM: Sergey Alekseyev, Chemist
Product Chemistry Team
Risk Management and Implementation Branch V
Pesticide Re-evaluation Division (7508P)



TO: Bonnie Adler, CRM
Risk Management and Implementation Branch V
Pesticide Re-evaluation Division (7508P)

INTRODUCTION:

With this resubmission, in response to our review dated 05/11/2012 (DP # 400821) the registrant provided additional product chemistry data pertaining to Enforcement Analytical Method, Storage Stability, and Corrosion Characteristics (MRID Nos. 419891-01, 424537-01, 456195-02, and 480314-02). The registrant is requesting reregistration of the product, CENOL 0.25% Multi-Purpose Insecticide, EPA Reg. No. **45385-98**.

FINDINGS:

1. EPA Reg. No. **45385-98** is an end-use product containing the active ingredient Permethrin ((3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate), with a label claim nominal concentration of 0.25% and other ingredients content of 99.75%. The product is for use in repelling mosquitoes and ticks, treatment of livestock and premises, as well as controlling fleas and lice on dogs. The product is produced by a non-integrated system.
2. As requested in Finding 4 of the previous review, additional MRIDs have been submitted. Data reported for MRID No. 419891-01, 424537-01, 456195-02, and 480314-02 satisfy the product chemistry data requirements under Subgroups A and B which pertain Product Chemistry Data and Physical and Chemical Properties, respectively. In particular, MRID Nos. 424537-01 and 456195-02 state that the subject product is stable after 1 year at room temperature. Therefore, Guideline 830.6317 has been satisfied. Additionally, said MRIDs state that there is not sign of corrosion upon the subject product containers (FL-HDPE) after 1 year at room temperature. Therefore Guideline 830.6320 has been satisfied. Further, MRID Nos. 419891-01 and 480314-02 describe Enforcement Analytical Method. Therefore, Guideline 830.1800 has been satisfied.

Note: MRID Nos. 419891-01, 424537-01, and 480314-02 pertain to the product Permanone Insect Killer R4, Reg. No. 73049-334 (transferred from the product Reg. No. 4816-756) which is essentially similar to the subject product. MRID No. 456195-02 pertains to the product Permanone General Purpose Aqueous Insecticide, Reg. No. 73049-303 (transferred from Reg. No. 4816-696) which is essentially similar to the subject product regarding Storage Stability and Corrosion Characteristics only.

3. The Ingredients Statement on the draft label is acceptable as per CFR §156.10(g) and PR Notices 91-2, 97-5, and 97-6. There are no data present that would trigger the Physical or Chemical Hazards statements,

therefore the statements currently on the label may be removed. The Storage and Disposal Statements are acceptable in accordance with CFR §156.10(i)(2)(ix) and PR Notice 83-3.

CONCLUSIONS:

The registrant has satisfied the product chemistry requirements for the reregistration of EPA Reg. No. **45385-98**.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION
PREVENTION

August 12, 2013

MEMORANDUM:

Subject: Cenol 0.25% Multi-purpose Insecticide
PC Code: 109701
EPA Reg. No.: 45385-98
Document Type: Acute Toxicity Review
MRID Nos.: 418517-01, -02, -03, -04, -05, -06.

DP Barcode: 402451
Case No.: 2510
CAS No.: 52645-53-1
40 CFR: 158.500

From: Boris Yurchak, Chemist *BSY*
Risk Management and Implementation Branch V (7508P)
Pesticide Re-evaluation Division

Thru: Marquee D. King, Toxicologist *MD King*
Acting Team Leader
Risk Management and Implementation Branch V
Pesticide Re-evaluation Division (7508P)

To: Bonnie Adler, CRM
Risk Management and Implementation Branch I (7508P)
Pesticide Re-evaluation Division

Applicant: CTX-Cenol, Inc.
1393 E. Highland Road
Twinsburg, OH 44087

FORMULATION FROM EPA Reg. No. 45385-98 LABEL:

Active Ingredient(s):	% by wt.
Permethrin.....	0.25%
Other Ingredient(s):.....	99.75%
Total	100.0%

TXS-4601411

BACKGROUND: In their 8 month response to the Permethrin (109701) RED, the registrant is citing 6 acute toxicity studies to support the reregistration of their subject end-use product, EPA Reg. No. **45385-98**. The MRID's are as follows: 418517-01 (81-1), 418517-02 (81-2), 418517-03 (81-3), 418517-04 (81-4) 418517-05 (81-5), 418517-06 (81-6). The studies were conducted by Stillmeadow, Inc. The test material used in these studies was EPA Reg. No. 2217-781, Permanone General Purpose Aqueous Insecticide containing 0.5% Permethrin.

RECOMMENDATIONS:

The registrant cited acute toxicity data (81-1, 81-2, 81-3, 81-4, 81-5 & 81-6) from MRIDs which have been found to be acceptable by RMIB V earlier (J. L. Dupuy, 08/16/2011, DP 391557) for product EPA Reg. No. 2217-781, Gordon's Chemicals Permanone® General Purpose Aqueous Insecticide II that is substantial similar to the subject product.

The acute toxicity profile for EPA Reg. No. **45385-98** is currently:

Acute Oral	IV	Cited (LD ₅₀ > 5050 mg/kg)
Acute Dermal	IV	Cited (LD ₅₀ > 5050 mg/kg)
Acute Inhalation	IV	Cited (LC ₅₀ > 5.18 mg/L)
Primary Eye	IV	Cited
Primary Dermal	IV	Cited
Skin Sensitization	non-sensitizer	Cited

NOTE: The registrant has satisfied the acute toxicity data requirements for the subject product.

BACKGROUND: In their 8 month response to the Permethrin (109701) RED, the registrant is citing 6 acute toxicity studies to support the reregistration of their subject end-use product, EPA Reg. No. **45385-98**. The MRID's are as follows: 418517-01 (81-1), 418517-02 (81-2), 418517-03 (81-3), 418517-04 (81-4) 418517-05 (81-5), 418517-06 (81-6). The studies were conducted by Stillmeadow, Inc. The test material used in these studies was EPA Reg. No. 2217-781, Permanone General Purpose Aqueous Insecticide containing 0.5% Permethrin.

RECOMMENDATIONS:

The registrant cited acute toxicity data (81-1, 81-2, 81-3, 81-4, 81-5 & 81-6) from MRIDs which have been found to be acceptable by RMIB V earlier (J. L. Dupuy, 08/16/2011, DP 391557) for product EPA Reg. No. 2217-781, Gordon's Chemicals Permanone® General Purpose Aqueous Insecticide II that is substantial similar to the subject product.

The acute toxicity profile for EPA Reg. No. **45385-98** is currently:

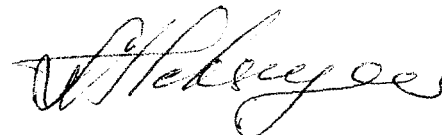
Acute Oral	IV	Cited ($LD_{50} > 5050$ mg/kg)
Acute Dermal	IV	Cited ($LD_{50} > 5050$ mg/kg)
Acute Inhalation	IV	Cited ($LC_{50} > 5.18$ mg/L)
Primary Eye	IV	Cited
Primary Dermal	IV	Cited
Skin Sensitization	non-sensitizer	Cited

NOTE: The registrant has satisfied the acute toxicity data requirements for the subject product.

DATE OUT: 5/11/2012

SUBJECT: **PRODUCT CHEMISTRY REVIEW OF: TGAI[]; MUP []; EUP [X]**
BARCODE NO.: 400821 REG./FILE SYMBOL NO.: 45385-98
PRODUCT NAME: CENOL 0.25% Multi-Purpose Insecticide MRID NO: 487343-01
COMPANY NAME: CTX-CENOL, Inc. ACTION CODE: 676

FROM: Sergey Alekseyev, Chemist
Product Chemistry Team
Risk Management and Implementation Branch V
Pesticide Re-evaluation Division (7508P)



TO: Bonnie Adler, CRM
Risk Management and Implementation Branch V
Pesticide Re-evaluation Division (7508P)

INTRODUCTION:

A Reregistration Eligibility Decision (RED), Case No. 2510, Amended RED, and Revized RED were issued on April 2006, 12/20/2007, and 05/11/2009, respectively, for the Active Ingredient Permethrin. According to the RED, the generic database supporting the reregistration of Permethrin for currently registered uses has been reviewed and found to be substantially complete.

In the 8-month response to the Permethrin RED, CTX-CENOL, Inc. provided EPA Form 8570-35 (Data Matrix), dated 11/30/2010; EPA Form 8570-4 (Confidential Statement of Formula), a basic formulation, dated 11/30/2010; a draft label, no date; and MRID No. 487343-01. The registrant is requesting reregistration of the product, CENOL 0.25% Multi-Purpose Insecticide, EPA Reg. No. **45385-98**.

FINDINGS:

1. EPA Reg. No. **45385-98** is an end-use product containing the active ingredient Permethrin ((3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate), with a label claim nominal concentration of 0.25%, and other ingredients content of 99.75%. The product is for use in repelling mosquitoes and ticks, treatment of livestock and premises, and controlling fleas and lice on dogs. The product is produced by a non-integrated system.
2. The CSF for the basic formulation is acceptable. The nominal concentration of the active ingredient agrees with that on the label, meeting PR Notice 91-2. The certified limits for the active ingredient and the inert ingredients are acceptable in accordance with 40 CFR §158.350. All ingredients are cleared for use in pesticide formulations.
3. Except for Finding 4, data reported for MRID No. 487343-01 satisfy the product chemistry data requirements under Subgroups A and B which pertain to Product Identity and Composition, and Physical and Chemical Properties, respectively.
4. MRID No. 487343-01 does not describe Enforcement Analytical Method, citing AOAC source. The registrant should provide either MRID with full description of Enforcement Analytical Method or a hard copy of such description. Therefore Guideline 830.1800 has not been satisfied. Further, said MRID does not contain any study concerning Storage Stability or Corrosion Characteristics. Therefore Guideelines 830.6317 and 830.6320 have not been satisfied.

5. The Ingredients Statement on the draft label is acceptable as per CFR §156.10(g) and PR Notices 91-2, 97-5, and 97-6. There are no data present that would trigger the Physical or Chemical Hazards statements, therefore the statements currently on the label may be removed. The Storage and Disposal Statements are acceptable in accordance with CFR §156.10(i)(2)(ix) and PR Notice 83-3.

CONCLUSIONS:

The registrant will satisfy the product chemistry requirements for the reregistration of EPA Reg. No. 45385-98 after submission data pertinent to Enforcement Analytical Method, Storage Stability, and Corrosion Characteristics (see Finding 4).

Product Chemistry Data

Subgroup A: Series 830.1550 - 830.1800 (40 CFR 158.155 - 158.180)

GUIDELINE REFERENCE NO. (GRN)/ TITLE 830	40 CFR §	MRID Number	Data Fulfilled
.1550 Product Identity and Composition	158.320	CSF	Y
.1600 Description of Materials Used to Produce the Product	158.325	CSF	Y
.1620 Description of Production Process	158.330		N/A
.1650 Discussion of Formulation Process	158.165	487343-01	Y
.1670 Discussion of Formation of Impurities	158.167	487343-01	Y
.1700 Preliminary Analysis	158.345		N/A
.1750 Certified Limits	158.350	CSF	Y
.1800 Enforcement Analytical Method	158.355	487343-01	N

Subgroup B: Series 830.6302 - 7950 (40 CFR 158.190)

Guideline Reference No. (GRN) / Title 830	Value or Qualitative Description	MRID Number	Data Fulfilled
.6302 Color	Clear to cloudy emulsion	487343-01	Y
.6303 Physical State	Liquid	487343-01	Y
.6304 Odor	Musty odor	487343-01	Y
.6313 Stability	The product is not TGAI/MP		N/A
.6314 Oxidation/Reduction Chemical Incompatibility	The product is not oxidizer/reducer	487343-01	N/A
.6315 Flammability/Flame Extension	The product is not flammable liquid	487343-01	N/A
.6316 Explodability	The product does not contain explosives	487343-01	N/A
.6317 Storage Stability			N
.6319 Miscibility	The product is aqueous emulsion	487343-01	N/A
.6320 Corrosion Characteristics			N
.6321 Dielectric Breakdown Voltage	The product is not intended to be used around electrical equipment	487343-01	N/A
.7000 pH	6.0 – 8.0	487343-01	Y
.7050 UV/ Visible Light Absorption	Not applicable. The product is not TGAI/MP.		N/A
.7100 Viscosity	The product is emulsion	487343-01	N/A
.7200 Melting Point	Not applicable. The product is not TGAI/MP.		N/A
.7220 Boiling Point	Not applicable. The product is not TGAI/MP.		N/A
.7300 Density/Bulk Density	0.9975 (8.31 lbs/gal)	487343-01	Y
.7370 Dissociation Constant in Water	Not applicable. The product is not TGAI/MP.		N/A
.7550 Octanol/ Water Partition Coefficient	Not applicable. The product is not TGAI/MP.		N/A
.7840 Solubility to Water and Organic Solvents	Not applicable. The product is not TGAI/MP.		N/A
.7950 Vapor Pressure	Not applicable. The product is not TGAI/MP.		N/A

Explanations: Y = Requirement fulfilled; N = Requirement not fulfilled; N/A = Not applicable; G = Data gap;
U = Upgradeable; I = Incomplete or in progress; W = Waived

DATA PACKAGE BEAN SHEET

Date: 15-Nov-2013

Page 1 of 1

Decision #: 413551

DP #: (416124)

NON PRIA

Parent DP #:

Submission #: 886925

E-Sub #:

*** Registration Information ***

Registration: **45385-98 - CENOL 0.25% MULTIPURPOSE INSECTICIDE**

Company: 45385 - CTX-CENOL, INC.

Risk Manager: RM 10 - Richard Gebken - (703) 305-6701 Room# PY1 S-7237

Risk Manager Reviewer: Bonnie Adler BADLER

Sent Date: 07-Dec-2010

PRIA Due Date: 07-Dec-2010

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (676) Product Reregistration Decision;

Ingredients: 109701, Permethrin(.25%)

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 15-Nov-2013

Due Back: _____

DP Ingredient: 109701, Permethrin

DP Title: Final pkg for 45385-98 Permethrin

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: RD / IB

Last Possible Science Due Date: _____

Team Name: RM 10

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

*** Studies Sent for Review ***

No Studies

*** Additional Data Package for this Decision ***

Can be printed on its own page

*** Data Package Instructions ***

This permethrins product is recommended for final reregistration based on your review of the attached preliminary label assessment, along with PC and tox reviews for case 2510. The permethrins PDCI called in Efficacy for Impregnated Fabrics & ORMS as well as Companion Animal Safety data.

According to the Registrants Response form for this product:

Efficacy/Impregnated Fabrics [810.3300] was marked as "6" [citing existing data] However, the label does not contain this use.

Efficacy/ORMS [810.3500] was marked as "6" [citing existing data] However, the label does not contain this use.

Companion Animal Safety [870.7200] was marked as "6" [citing existing data] and they are citing Valent data - not in review yet]

Once you have made your decision, please put all pertinent information in the product jacket. Please contact Bonnie Adler with questions.

PRODUCT REREGISTRATION

SUPPORTING DOCUMENTATION

FOR

Case Name Permethrin

Reg. No. 45385-98

This supporting documentation (in chronological order) includes:

- o Old labels (identified as "*Superceded by label dated*
xx/xx/xx")
- o Unacceptable CSF (marked "Not acceptable" and dated)
- o Product chemistry reviews
- o Acute toxicity reviews
- o Efficacy and or special studies (if necessary)
- o 90-Day responses to PDCI (forms A and B)
- o Administrative forms (Application for Reregistration
Certification to Data citation, Data Matrix)
- o Correspondence (Company and Agency letters & e-mails)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING.**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "**Ready to use**". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING.

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANNY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry. Treat travel luggage against picking up of insects such as bedbugs.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 week if required.

*

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and TICKS: (ADULTS and LARVAE):

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

Order Code 0-312

PRODUCT BATCH CODE NO.

CHEM•tox

CENOL 0.25% MULTI PURPOSE INSECTICIDE

•FOR DOMESTIC USE INDOORS and OUTDOORS

- KILLS AND REPELS MOSQUITOS AND TICKS.
- FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND MOSQUITO NETTING], NETS, OUTSIDE OF SLEEPING BAGS, BACKPACKS, GROUND CLOTHS AND LUGGAGE.
- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS. CONTROLS BEDBUGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS). CONTROL OF STORED PRODUCT PESTS.
- *Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.*

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for additional Precautionary Statements.
STOP: Read Label Before Use

ACTIVE INGREDIENT:

Permethrin CAS [52645-53-1] - - - - 0.25%

OTHER INGREDIENTS:

TOTAL : - - - - - 99.75%

TOTAL : - - - - - 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters.

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL IF EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above. 10-22-10

Net Contents: 6 Oz., 12 Oz., 1 Qt.; 1 Gal = 3.785 Liters

CTX CENOL INC. P.O. BOX 472 • TWINSBURG, OH 44087

Label Unit 1 OF 4

DIRECTIONS FOR USE continued

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK. To protect cattle (beef and dairy), goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES:

Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS:

Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready-To-Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.(11-30-10)

CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 2 o 4

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

FOR HOME VEGETABLE GARDENS

Dilute before using. Use A clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLES	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn below.		
CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash ,watermelon.	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach. Swiss chard,	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest. ¹¹⁻³⁰⁻¹⁰
Melons - See Cucurbits		

VEGETABLES	TARGET PESTS	REMARKS
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Peppers	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest. 11-30-10

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers.

May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders" and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Add 1 tbsp spreader sticker per gallon.

Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak, Fall Webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Firs; Elm Leaf Beetles and Elm Spanworms on elms.

Flush sprayer with clean water after each use. Follow STORAGE and DISPOSAL section for disposal of rinsate.

KILLS AND REPELS MOSQUITOS AND TICKS

FOR CLOTHING AND CAMPING GEAR MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS, GROUND CLOTHS and LUGGAGE.

Use for residual protection and an insect repellent against ticks, chiggers and mosquitos. Treat clothing, and camping equipment and gear as follows:

SHAKE WELL BEFORE USING. This product should not be applied to clothing while it is being worn. Under NO Circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes, see "First Aid" below. Make all applications outdoors.

For six week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind, spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding it at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers, and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs, and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing. Use remainder on gear. Follow normal laundering procedures weekly. Reapply after six weeks and sixth launderings.

In heavily infested areas protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by applying an EPA approved repellent, as directed, to face, hands and other exposed areas of the body.

: Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6" to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article, until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks. 11-30-10.

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully, however it is impossible eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX CENOL INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranty:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

CTX CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX CENOL INC.'s option, the replacement of the product.

PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to possibility of shock hazard. Do not allow product to freeze.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: July 27, 2012		EPA Reg No./File Symbol: 45385-98		Page: 1 of 3	
Applicant's/Registrant's Name & Address CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087		Product Cenol 0.25% Multi-Purpose Insecticide			
Ingredient Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
			Valent BioSciences Corporation	PER	
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
				CTX-Cenol, Inc.	OWN
Signature 			Name and Title Sharon M. Johnston / Regulatory Consultant		Date 07-27-2012

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DATA MATRIX

Date: July 27, 2012		EPA Reg No./File Symbol: 45385-98		Page: 2 of 3	
Applicant's/Registrant's Name & Address: CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087		Product: Cenol 0.25% Multi-Purpose Insecticide			
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			CTX-Cenol, Inc.	OWN	
			CTX-Cenol, Inc.	OWN	
			Valent BioSciences Corporation	PER	
			CTX-Cenol, Inc.	OWN	
			Valent BioSciences Corporation	PER	
			Valent BioSciences Corporation	PER	
Valent BioSciences Corporation	PER				
Valent BioSciences Corporation	PER				
Valent BioSciences Corporation	PER				
Signature: 			Name and Title: Sharon M. Johnston / Regulatory Consultant		Date: 07-27-2012

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DATA MATRIX

Date: July 27, 2012		EPA Reg No./File Symbol: 45385-98		Page: 3 of 3	
Applicant's/Registrant's Name & Address: CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087		Product: Cenol 0.25% Multi-Purpose Insecticide			
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Valent BioSciences Corporation	PER	
			Valent BioSciences Corporation	PER	
			Valent BioSciences Corporation	PER	
Signature: 			Name and Title: Sharon M. Johnston / Regulatory Consultant		Date: 07-27-2012

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DATA MATRIX

Date: July 27, 2012			EPA Reg No./File Symbol: 45385-98		Page: 1 of 3
Applicant's/Registrant's Name & Address: CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087			Product: Cenol 0.25% Multi-Purpose Insecticide		
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MPID Number	Submitter	Status	Note
61-1/830.1550	Chemical Identity	48734301	CTX-Cenol, Inc.	OWN	
61-2/830.1600 & 830.1650	Beginning Materials & Manufacturing Process	48734301	CTX-Cenol, Inc.	OWN	
61-3/830.1670	Discussion of Formation of Impurities	48734301	CTX-Cenol, Inc.	OWN	
62-1/830.1700	Preliminary Analysis				NA - end product integration system
62-2/830.1750	Certification of Ingredient Limits	48734301	CTX-Cenol, Inc.	OWN	
62-3/830.1800	Analytical Method to Verify Certified Limits	48031402	Valent BioSciences Corporation	PER	
63-2/830.6362	Color	48734301	CTX-Cenol, Inc.	OWN	
63-3/830.6303	Physical State	48734301	CTX-Cenol, Inc.	OWN	
63-4/830.6304	Odor	48734301	CTX-Cenol, Inc.	OWN	
63-5/830.7200	Melting Point				NA - end product
63-6/830.7220	Boiling Point				NA - end product
63-7/830.7300	Density, Bulk Density or Specific Gravity	48734301	CTX-Cenol, Inc.	OWN	
63-8/830.7840 & 830.7860	Solubility				NA - end product
63-9/830.7950	Vapor Pressure				NA - end product
63-10/830.7370	Dissociation Constant				NA - end product
Signature:			Name and Title: Sharon M. Johnston / Regulatory Consultant		Date: 07-27-2012

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DATA MATRIX

Date: July 27, 2012			EPA Reg No./File Symbol: 45385-98		Page 2 of 3
Applicant's/Registrant's Name & Address: CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087			Product: Cenol 0.25% Multi-Purpose Insecticide		
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-11/830 7570	Octanol Water Partition Coefficient				NA - end-product
63-12/830 7006	pH	48734301	CTX-Cenol, Inc.	OWN	
63-13/830 6313	Stability				NA - end product
63-14/830 6314	Oxidizing/Reducing Action				NA - contains no oxidizing or reducing agents
63-15/830 6315	Flammability	48734301	CTX-Cenol, Inc.	OWN	
63-16/830 6316	Explosibility				NA - not potentially explosive
63-17/830 6317	Storage Stability	42453701	Valent BioSciences Corporation	PER	
63-18/830 7100	Viscosity	48734301	CTX-Cenol, Inc.	OWN	
63-19/830 6319	Miscibility				NA - not an EC
63-20/830 6320	Corrosion Characteristics	42453701	Valent BioSciences Corporation	PER	
63-21/830 6321	Dielectric Breakdown Voltage				NA - not for use around electrical equipment
81-1/870 1100	Acute Oral Toxicity	41851701	Valent BioSciences Corporation	PER	
81-2/870 1200	Acute Dermal Toxicity	41851702	Valent BioSciences Corporation	PER	
81-3/870 1300	Acute Inhalation Toxicity	41851703	Valent BioSciences Corporation	PER	
81-4/870 2400	Primary Eye Irritation	41851704	Valent BioSciences Corporation	PER	
Signature:			Name and Title: Sharon M. Johnston / Regulatory Consultant		Date: 07-27-2012



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DATA MATRIX

Date: July 27, 2012			EPA Reg No./File Symbol: 45385-98		Page 3 of 3
Applicant's/Registrant's Name & Address ETX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087			Product Cenol 0.25% Multi-Purpose Insecticide		
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-5/870.2500	Primary Dermal Irritation	41851705	Valent BioSciences Corporation	PER	
81-6/870.2600	Dermal Sensitization	41851706	Valent BioSciences Corporation	PER	
86-1/870.7200	Companion Animal Safety		Valent BioSciences Corporation	PER	Protocol in review
Signature 			Name and Title Sharon M. Johnston / Regulatory Consultant		Date 07-27-2012

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Applicant's/Registrant's Name & Address CTX-Cenol, Inc. 1393 E. Highland Road Twinsburg, OH 44087		Product Cenol 0.25% Multi-Purpose Insecticide			
Ingredient: Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-11/830.7570	Octanol Water Partition Coefficient				NA - end-product
63-12/830.7000	pH	48734301	CTX-Cenol, Inc.	OWN	
63-13/830.6313	Stability				NA - end-product
63-14/830.6314	Oxidizing/Reducing Action				NA - end-product
63-15/830.6315	Flammability	48734301	CTX-Cenol, Inc.	OWN	
63-16/830.6316	Explosibility				NA - not potentially explosive
63-17/830.6317	Storage Stability	42453701	Valent BioSciences Corporation	PER	
63-18/830.7100	Viscosity	48734301	CTX-Cenol, Inc.	OWN	
63-19/830.6319	Miscibility				NA - not an EC
63-20/830.6320	Corrosion Characteristics	42453701	Valent BioSciences Corporation	PER	
63-21/830.6321	Dielectric Breakdown Voltage				NA - no data against electrical equipment
81-1/870.1100	Acute Oral Toxicity	41851701	Valent BioSciences Corporation	PER	
81-2/870.1200	Acute Dermal Toxicity	41851702	Valent BioSciences Corporation	PER	
81-3/870.1300	Acute Inhalation Toxicity	41851703	Valent BioSciences Corporation	PER	
81-4/870.2400	Primary Eye Irritation	41851704	Valent BioSciences Corporation	PER	
Signature 			Name and Title Sharon M. Johnston / Regulatory Consultant		Date 07-27-2012

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870 TECHNOLOGY WAY
LIBERTYVILLE, IL 60048 - 800-323-9597

July 24, 2012

Pesticide Re-evaluation Division (7508P)
Office of Pesticide Programs
US Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

ATTN: Bonnie Adler, Chemical Review Manager – Permethrin (Case# 2510)

SUBJECT: **Letter of Authorization**
CTX-Cenol, Inc.
Cenol 0.25% Multi-Purpose Insecticide; EPA Reg. No. 45385-98

Dear Ms. Adler:

Valent BioSciences Corporation (VBC) of Libertyville, Illinois, authorizes the US Environmental Protection Agency to review all data and information on file for Permanone® Insect Killer R4 (EPA Reg. No. 73049-334) to support the re-registration of the above-subject product by CTX-Cenol, Inc.

These data include (but are not limited to) the following study volumes:

<u>Study Type</u>	<u>MRID No.</u>
Analytical method to verify certified limits	48031402
Physical & Chemical Properties	41989101
Storage Stability & Corrosion Characteristics	42453701 & 45619502
Acute Oral Toxicity	41851701
Acute Dermal Toxicity	41851702
Acute Inhalation Toxicity	41851703
Primary Eye Irritation	41851704
Primary Skin Irritation	41851705
Dermal Sensitization	41851706
Companion Animal Safety	To be submitted by VBC

This authorization letter is qualified to the extent that: (1) the applicant or any other person, except the Agency, shall not have access to said data unless specifically authorized in writing by Valent BioSciences Corporation, or when in the opinion of your Agency, it is required in judicial or administrative proceedings; (2) this authorization shall not be construed as authorization to use or consider said data, directly or indirectly, in support of any subsequent application; and, (3) this authorization shall not be transferred by the applicant in any manner whatsoever without express prior consent of Valent BioSciences Corporation, and (4) this authorization shall expire on July 24, 2014. Further use of the data will require authorization by Valent BioSciences Corporation.



B. Adler
July 24, 2012
Page 2

Please contact me at (847) 968-4844 if you have any questions or need additional information.

Sincerely,

NASSAF

Nasser Assaf, Ph.D.
Manager, Product Safety & Regulatory Affairs

cc: Sharon Johnston; Agent for CTX-Cenol
K. Vercher; VBC
VBC Regulatory Customer File



45385-98

SJohns1825

to:

Bonnie Adler

08/13/2012 12:17 PM

Hide Details

From: SJohns1825@aol.com

To: Bonnie Adler/DC/USEPA/US@EPA

2 Attachments



45385-98 CSF signed.pdf 45385-98 data cert signed.pdf

Bonnie,

Sorry it took so long. Got side tracked and almost forgot I still owed you some stuff on the two CTX-Cenol products.

I have attached a revised Confidential Statement of Formula for 45385-98. We have modified this slightly to match the Valent BioSciences Corporation's product of which this is a "me-too".

I sent you the data matrix for this one previously citing Valent BioSciences Corporation's data on 73049-334 to fill the product chemistry gaps and also citing their acute tox and companion animal safety data.

I have attached a corrected Certification with respect to Citation of Data form as well.

I think this covers everything for this one but please let me know if you need anything further.

Sharon M. Johnston
RegGuide
509 Tower Valley Drive

Inert ingredient information may be entitled to confidential treatment

Hillsboro, MO 63050
TEL: (636) 942-2583
Cell: (314) 520-8554
Fax: (636) 948-9720
e-mail: Johnston@RegGuide.net
OR sjohns1825@aol.com

EPA

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SUBJECT

RESPONSE TO CETIFIED MAIL JUN 19, 2012

REGISTRANT
CTX-CENOL INCORPORATED
P.O.BOX 472
TWINSBURG, OH 44087

CENOL 0.25% MULTIPURPOSE INSECTICIDE

EPA REG. NO. 45385-98

DOSSIER
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THIS PRODUCT WAS FIRST CITE-ALL REGISTERED; 27 OCT 2000.
12 YEARS ON THE MARKET.

a. RETURN POSTCARD; EPA ACKNOWLEDGEMENT OF RECEIPT.

b. TWO RETURN H. R. MCLANE, INC. ADDRESS STICKERS.

JUL 30 2012

JULY 20, 2012



H. R. McLANE, INC.

7210 Red Road, Suite 206A - Miami, Florida 33143 - 5321 U.S.A.
Phone: 305-661-1706 - Fax: 305-661-3036-
E-Mail Hrmclaneinc@bellsouth.net
Consulting in EPA Regulatory Affairs
FIFRA Product Registrations - Since 1948

DOSSIER ; PAGE 2 OF 3

COVER LTR PAGE 1 OF 2

JULY 20, 2012

DR. BONNIE ADLER CHEMICAL REVIEW. MGR.
DOCUMENT PROCESSING DESK: RESPONSE TO CERTIFIED MAIL 06/19/12.
SPECIAL REVIEW AND REREGISTRATION BRANCH (7508 P)
OFFICE OF PESTICIDE PROGRAMS
ENVIRONMENTAL PROTECTION AGENCY
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

SUBJECT: RESPONSE TO CERTIFIED MAIL DATED: JUNE 19. 2012.
PRODUCT: CENOL 0.25% MULTIPURPOSE INSECTICIDE EPA. NO. 45385-98

REGISTRANT: CTX CENOL INCORPORATED; EPA EST. NO. 45385
P.O. BOX 472 - TWINSBURG, OH 44087
COMPANY CONTACT: MR. BART BAKER. VICE PRESIDENT.

DEAR DR. ADLER:

WE HAVE RECEIVED YOUR CERTIFIED MAIL ON THIS PRODUCT'S
PDCI REVIEW AND HAVE THE FOLLOWING RESPONSE TO THAT REVIEW.
WE DID NOT REQUEST REREGISTRATION AS YOUR REVIEW STATES,
SINCE THE PRODUCT WAS ALREADY REGISTERED. OUR SUBMISSION
WAS IN RESPONSE TO THE PERMETHRIN DATA CALL-IN.

1. EPA RESPONSE TO EPA FINDINGS NO. 1:
EPA'S ASSESSMENT IS CORRECT FOR THIS PRODUCT LABEL /
FORMULA AND THE PRODUCT HAS BEEN CORRECT FOR 12 YEARS.
2. RESPONSE TO EPA FINDINGS NO. 2:
THE CSF HAS BEEN REVIEWED AND FOUND TO BE ACCEPTABLE AND
HAS BEEN EPA ACCEPTABLE FOR 12 YEARS.
3. RESPONSE TO EPA FINDINGS NO. 3:
THE REVIEW STATES THAT PRODUCT CHEMISTRY IS GENERALLY ACCEPTED.
4. RESPONSE TO EPA FINDINGS NO. 4: RE: ANALYTICAL METHOD:
THE CHEMICAL WORLD DEPENDS ON AOAC ANALYTICAL METHODS.
METHODS CHANGE WITH NEW EQUIPMENT. CTX CENOL IS NOT A
ANALYTICAL LABORATORY AND DEPENDS ON LAB SOURCES FOR
THEIR DATA. LABS REFER TO REFERENCE NUMBERS IN THE AOAC
ASSOCIATION FOR THE LATEST METHODS. THE AOAC REFERENCE
NUMBER THAT WE SUBMITTED IS "#6.B06 FINAL 1988". THIS
IS THE REFERENCE THAT THE LAB USES FOR THEIR EQUIPMENT
AND AOAC FURNISHES ANY DETAILS TO THEM AS A MEMBER OF
THE "ASSOCIATION".

IT WOULD APPEAR THAT THIS REFERENCE IS ADEQUATE FOR OUR
EPA FILES. YOUR CALL TO AOAC RIGHT THERE IN ARLINGTON,
VA WILL VERIFY THIS PERMETHRIN ANALYTICAL METHOD.

DR. BONNIE ADLER CHEMICAL REVIEW. MGR.
DOCUMENT PROCESSING DESK: RESPONSE TO CERTIFIED MAIL 06/19/12.
SPECIAL REVIEW AND REREGISTRATION BRANCH (7508 P)

SUBJECT: RESPONSE TO CERTIFIED MAIL DATED: JUNE 19. 2012.
PRODUCT: CENOL 0.25% MULTIPURPOSE INSECTICIDE EPA REG. NO. 45385-98

THE INGREDIENT STATEMENT ON THE LABEL HAS BEEN REVIEWED TO BE
ACCEPTABLE, AND HAS BEEN EPA "ACCEPTABLE" FOR 12 YEARS.

WE NOTE THAT YOU HAVE STATED THAT THE PHYSICAL AND CHEMICAL
STATEMENTS "MAY" BE REMOVED FROM THE LABEL. THESE WILL BE
REMOVED AT THE NEXT LABEL PRINTING, IF APPROPRIATE.

THE STORAGE AND DISPOSAL STATEMENTS ON THE LABEL HAVE
BEEN REVIEWED AND HAVE BEEN FOUND TO BE ACCEPTABLE.

CONCLUSIONS: WE FEEL THAT THE AOAC REFERENCE "#6.B06
FINAL 1988" SATISFIES THE ANALYTICAL METHOD REQUIREMENT
AND CAN BE VERIFIED BY AOAC, THERE, IN ARLINGTON VA.

THE REGISTRANT HAS ASSURED THE WRITER THAT AN ACCELERATED
STORAGE STABILITY AND CORROSION STUDY IS NOW BEING PLACED
WITH AN A GLP EPA ACCEPTABLE LABORATORY AND WILL BE
SUBMITTED TO YOUR OFFICE WHEN THE 2 WEEKS STUDY IS FINISHED.

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...PRODUCT WAS FIRST CITE-ALL REGISTERED; OCT 27, 2000

---> PLEASE STAMP "ACCEPTED" ON ONE COPY OF THE
PREVIOUSLY SUBMITTED LABELS AND RETURN.

SINCERELY
H. R. McLANE, INC.


H. R. McLane,..... Agent for
MR. BART BAKER - VICE PRESIDENT.

HRM/nb/ encl: as above. cc/BB/CTXCENOL

**EPA**

United States
Environmental Protection Agency
Washington, DC 20460

Registrant
Amendment
☒ Data Call-In

EPA
Registration Number
45385-98

Page 2 of 3

Application for Pesticide Section I Response to 6-19-12 certified mail **Date: July 20, 2012**

1. Company / Product Number: 45385-98		2. EPA Review Managers Dr. Bonnie Adler		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company Product Name: CENOL 0.25% MULTIPURPOSE INSECTICIDE		PM Number - SRRB Permethrin			
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078 <input type="checkbox"/> Check if this is a new address		6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>			

Section II

<input type="checkbox"/> Amendment- Explain below ()	<input type="checkbox"/> Final Printed Labels in response to
<input checked="" type="checkbox"/> Submission in response to Agency CERT. LTR: 6-19-12	<input type="checkbox"/> Me Too Applications,
<input type="checkbox"/> Notification - Explain Below	<input type="checkbox"/> Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II) THIS IS OUR RESPONSE TO THE DR. BONNIE ADLER CERTIFIED MAIL JUNE 19, 2012. THIS PRODUCT WAS ORIGINALLY EPA CITE ALL ACCEPTED OCT 27, 2000 AND LATER ACCEPTED JUNE 15, 2004 AND MARCH 6, 2009. WE HAVE SUBMITTED BY REFERENCE THE AOAC PERMETHRIN ASSAY METHOD AS "6.B05 FINAL 1988". WE HEREIN RESPOND TO YOUR REVIEW FINDINGS IN THE ATTACHED COVER LETTER. THE WRITER HAS BEEN ASSURED BY THE REGISTRANT THAT THE STORAGE STABILITY AND CORROSION STUDIES WILL BE PLACED WITH AN AUTHORIZED GLP LABORATORY. THEY WILL BE SUBMITTED TO YOU AS SOON AS THEY HAVE FINALIZED. PLEASE STAMP ACCEPTED ON OUR LABEL AND RETURN. THANK YOU.

Section III

1. Material This Product will be packaged in:		2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Certification must be submitted Date: _____	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. No. Per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt. No. Per Container	<input checked="" type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic HDPE (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 Qt. ; 1 Gal.	5. Location of label directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> Label accompanying product
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled		Other	

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

Name: H. R. McLane, Inc. 7210 Red Rd. suite 206A miami, FL 33143	Title: Agent 305-661-1706 CTX Cenol Corporation	Telephone No. (Include Area code) 1-800-2811-7025
---	--	---

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped)
2. Signature: By H. R. McLane 	3. Title Agent	
4. Typed Name of Registrant Mr. Bart Baker; Vice President CTX Cenol Corporation	5. Date 07-20-12	

7008 3230 0000 9475 8024

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total P _t	
Sent To	H.R. McLane, Agent for CTX Cenol Inc.
Street, A or PO B _x	HR McLane, Inc.
City, Sta	7210 Red Road, Suite 206A
	Miami, FL 33143-5321
PS Form 3800, August 2006 See Reverse for Instructions	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JUN 19 2012

CERTIFIED MAIL

H.R. McLane, Agent for CTX Cenol Inc.
HR McLane, Inc.
7210 Red Road, Suite 206A
Miami, FL 33143-5321

Subject: Product Chemistry Reviews for the Permethrin Reregistration Eligibility Decision Document (RED), April 2006
EPA Reg. Nos. 45385-98 and 45385-99

Dear Mr. McLane;

The Agency has reviewed the product chemistry data you cited or submitted to support the Permethrin RED for these 2 products. Our findings are here:

For 45385-98: All data cited or submitted were acceptable, except for enforcement analytical methods, storage stability and corrosion characteristics [guidelines 830.1800, 830.63.17 and 830.6320]. There were no information about these guidelines in the cited data and they remain outstanding. Please refer to the review for details.

For 45385-99: Most of the data cited or submitted were acceptable, except for enforcement analytical methods, viscosity, storage stability and corrosion characteristics [guidelines 830.1800, 830.7100, 830.63.17 and 830.6320]. No information was provided about these guidelines in the cited data. They remain outstanding. In addition, the Basic Confidential Statement of Formula [CSF] is not acceptable. The alternate source has been transferred and this change must be reflected on the CSF. Please refer to the review for details.

You must cite or submit revised CSFs and new data or clarifications where noted to the Agency within 10 days from receipt of this letter. If more time is needed to conduct new studies, please submit a time extension request to the Agency along with a justification for the additional time within 10 days. If storage stability and corrosion data are conducted, we request accelerated studies be conducted and all the outstanding data will be due no later than July 31, 2012. Failure to comply may result in a Notice of Intent to Suspend for your product registrations. Copies of the reviews are enclosed. If you have any questions, please call me at 703-308-8523.

Sincerely,

Bonnie Adler
Risk Management and Implementation Branch V
Pesticide Re-Evaluation Division

10 2.50 12710 48734300 EPA

EPA REG. NO. 45385-98

Page 1 of 19

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SUBJECT

RESPONSE TO PERMETHRIN PDCI DATED 28 MAY 2009.
SUBMIT REQUIRED DATA AS LISTED IN THE 6 PAGES OF RSRR FORMS .

REGISTRANT
CTX-CENOL INCORPORATED
P.O.BOX 472
TWINSBURG, OH 44087

CENOL 0.25% MULTIPURPOSE INSECTICIDE

EPA REG. NO. 45385-98

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3 cc x 8 PAGES OF PRODUCT CHEMISTRY	12 > 19

734301

a. RETURN POSTCARD; EPA ACKNOWLEDGEMENT OF RECEIPT.

b. TWO RETURN H. R. MCLANE, INC. ADDRESS STICKERS.

NOV. 30, 2010

91 12/7/10



H. R. McLANE, INC. DOSSIER PAGE 2 OF 19
7210 Red Road, Suite 206A - Miami, Florida 33143-5321
Phone: 305-661-1706 Fax: 305-661-3036
E-Mail: Hrmclaneinc@bellsouth.net
Chemical product Registrations - Since 1948

NOV 30, 2010

Bonnie Adler
~~DR. JULIA STOKES~~; CHEMICAL REVIEW. MGR.
DOCUMENT PROCESSING DESK: 8 MONTH FOR 28, MAY 2009 PERMETHRIN PDCI
SPECIAL REVIEW AND REREGISTRATION BRANCH (7508 P)
OFFICE OF PESTICIDE PROGRAMS
ENVIRONMENTAL PROTECTION AGENCY
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

SUBJECT: 8 MONTH RESPONSE TO MAY 28, 2009 PERMETHRIN PDCI
PRODUCT: CENOL 025% ULTIPUROSE INSECTICIDE- EPA #45385-98

REGISTRANT: CTX CENOL INCORPORATED; EPA EST. NO. 45385
P.O. BOX 472 - TWINSBURG, OH 44087
COMPANY CONTACT: MR. BART BAKER. VICE PRESIDENT.
ENCLOSED YOU WILL FIND THE FOLLOWING INFORMATION AS OUR
DETAILED RESPONSE TO THE; 28 MAY 2009 PERMETHRIN PDCI.

Bonnie Adler
DEAR ~~DR. STOKES~~

ENCLOSED YOU WILL FIND THE FOLLOWING INFORMATION AS OUR
DETAILED PRODUCT CHEMISTRY 8 MONTH RESPONSE TO THE
PERMETHRIN PDCI'S; WITH TOXICITY AND PRODUCT PERFORMANCE

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---> PLEASE STAMP "ACCEPTED" ON ONE COPY OF THE ENCLOSED LABELS AND RETURN.
THANK YOU FOR YOUR COOPERATION IN THIS MATTER.

Sincerely

H. R. McLane, INC.

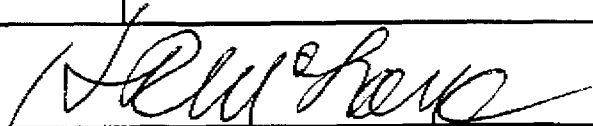
H. R. McLane
H. R. McLane,..... Agent for
MR. BART BAKER VICE PRES.

HRM/nb/ encl: as above. cc/BB/CTXC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: 04-30-12			EPA Reg No./File Symbol 45385-98		Page 1 of 5
Applicant's, Registrant's Address CTX CENOL CORPORATION P. O. BOX 472- TWINSBURG, OH 44087			Product CENOL 0.25% MULTIPURPOSE INSECTICIDE		
Ingredient OPP Chem. # 0109701 CAS [62543-53-1] 0.25% Permethrin					
Guideline Reference Number	Guideline Study -Name	MRID Number	Submitter	Status	Note
\$870.1100>2600	TOX DATA RE: Permethrin"RED"	MRID #CAT- PL	SYNGENTA CROP PROTECTION, INC.	PAY	
\$870.1100	81-1 Acute Oral	242899 III- PL	THE ORTHO BUSINESS GROUP	"	
\$870.1200	81-2 Acute Dermal	242899 III- PL	BAYER ENVIRONMENTAL SCIENCE A	"	
\$870.1300	81-3 Acute Inhalation	Ref: Valent IV-PL	BUS GROUP OF BAYER C. SCIENCE	"	
\$870.2400	81-4 Eye Irritation	242899 III- PL	CHEMSICO DIV OF UNITED IND.	"	
\$870.2500	81-5 Dermal Irritation	242899 IV- PL	MCLAUGHLIN GORMLEY KING CO.	"	
\$870.2600	81-6 Dermal Sensi.	Neg.- PL	WELLMARK INTERNATIONAL	"	
			BAYER HEALTH CARE LLC	"	
			SANDOZ AGRO INC	"	
			BAYER ADVANCED	"	
			VALENT BIOSCIENCES CORP.	"	
\$830.1000>7950	PRODUCT CHEMISTRY		CTX CENOL CO., INC.	OWN	
Signature 			Name and Title H. R. MCLANE, INC. Agent		Date 04-30-12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 07, 2012

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

H.R. MCLANE, INC.
CTX-CENOL, INC.
7210 RED ROAD, SUITE 206A
MIAMI, FL 33143

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 07-DEC-2010. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

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SUBJECT

RESPONSE TO PERMETHRIN PDCI DATED 28 MAY 2000.
SUBMIT REQUIRED DATA AS LISTED IN THE 6 PAGES OF RSRR FORMS .

REGISTRANT
CTX-CENOL INCORPORATED
P.O.BOX 472
TWINSBURG, OH 44087

CENOL 0.25% MULTIPURPOSE INSECTICIDE

EPA REG. NO. 45385-98

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NOV. 30, 2010

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12/7/10



H. R. McLANE, INC. DOSSIER PAGE 2 OF 19
7210 Red Road, Suite 206A - Miami, Florida 33143-5321
Phone: 305-661-1706 Fax: 305-661-3036
E-Mail: Hrmclaneinc@bellsouth.net
Chemical product Registrations - Since 1948

NOV 30, 2010

Bonnie Adler
~~DR. JULIA STOKES~~; CHEMICAL REVIEW. MGR.
DOCUMENT PROCESSING DESK: 8 MONTH FOR 28, MAY 2009 PERMETHRIN PDCI
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ENVIRONMENTAL PROTECTION AGENCY
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

SUBJECT: 8 MONTH RESPONSE TO MAY 28, 2009 PERMETHRIN PDCI
PRODUCT: CENOL 025% ULTIPUROSE INSECTICIDE- EPA #45385-98

REGISTRANT: CTX CENOL INCORPORATED; EPA EST. NO. 45385
P.O. BOX 472 - TWINSBURG, OH 44087
COMPANY CONTACT: MR. BART BAKER. VICE PRESIDENT.
ENCLOSED YOU WILL FIND THE FOLLOWING INFORMATION AS OUR
DETAILED RESPONSE TO THE; 28 MAY 2009 PERMETHRIN PDCI.

DEAR ~~DR. JULIA STOKES~~ *Bonnie Adler*

ENCLOSED YOU WILL FIND THE FOLLOWING INFORMATION AS OUR
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---> PLEASE STAMP "ACCEPTED" ON ONE COPY OF THE ENCLOSED LABELS AND RETURN.
THANK YOU FOR YOUR COOPERATION IN THIS MATTER.

Sincerely

H. R. McLane, INC.

H. R. McLane
H. R. McLane,..... Agent for
MR. BART BAKER VICE PRES.

HRM/nb/ encl: as above. cc/BB/CTXC




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

EPA REG. NO. #45385-98

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DATA MATRIX			CITE ALL RESPONSE TO PDCI		
Date 11-30-10		EPA Reg No./File Symbol 45385-98		Page 1 of 1	
Applicant's/Registrant's Name & Address CTX CENOL CORPORATION P. O. BOX 472- TWINSBURG, OH 44087			Product CENOL 0.25% MULTIPURPOSE INSECTICIDE		
Ingredient OPP Chem. # 0109701 CAS [62543-53-1] 0.25% Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS -§ 810.3000	PRODUCT PERFORMANCE			PAY	
			COOPERS ANIMAL HEALTH INC		
			SYNGENTA CROP PROTECTION, INC.		
			THE ORTHO BUSINESS GROUP		
-			D/B/A THE SCOTTS COMPANY		
			FMC CORP. AG PRODUCTS GROUP		
-			BAYER ENVIRONMENTAL SCIENCE A BUS		
			GROUP OF BAYER C. SCIENCE		
			REALEX DIV OF UNITED IND.		
			S.C. JOHNSON & SON INC.		
-			CHEMSICO DIV OF UNITED IND.		
			SCHERING-PLOUGH ANIMAL HEALTH		
			MCLAUGHLIN GORMLEY KING CO.		
			W.F. YOUNG, INC.		
-			VIRBAC AH, INC.		
			WELLMARK INTERNATIONAL		
			MMILLER W C CHEM. CO.		
			ZENECA AG PRODUCTS, INC.		
-			BAYER HEALTHCARE LLC		
			ANIMAL HEALTH DIVISION		
-			SANDOZ AGRO INC		
			Agent for: MITSUI CHEMICALS AMERICA,		
-			Y-TEX CORPORATION		
			BENGAL PRODUCTS INC		
-			RIAP CHEMICAL FACTORY		
			BAYER ADVANCED		
-			STAR HORSE PRODUCTS INC.		
	" TGAI by Valent I Sciences EPA # 73049 -277		VALENT BIOSCIENCES CORP.		
			IMARKETQUEST INC.		
			PRO PRODUCTS		
			BUZZ OFF INSECT SHIELD, LLC		
Signature HRM 			Name and Title H. R. MCLANE, INC. Agent		Date

Product ingredient source information may be entitled to confidential treatment



United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

PAGE 9 OF 19
EPA REG 45385-98

Applicant's Name and Address

CTX CENOL CORP.
P.O. BOX 472
TWINSBURG, OH 44087

EPA File Symbol/Registration Number

45385-98

Product Name

CENOL 0.25% MULTIPURPOSE
INSECTICIDE

Date of Confidential Statement of Formula (EPA Form 8570-4)

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

ACTIVE INGREDIENT:

PERMETHRIN	0.25 %
OTHER INGREDIENTS:	89.75 %
Total	100.00 %

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ X

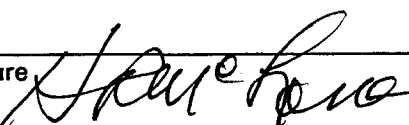
☐ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
PERMETHRIN		
Signature 	Name and Title H. R. MCLANE, INC.; AGENT	Date NOV 30 2010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **PAGE 10 OF 19**
401 M Street, S.W.
WASHINGTON, D.C. 20460 **EPA REG #45385-98**

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

CTX CENOL CORPORATION - P.O. BOX 472
TWINSBURG, OH 44087 1-800-321-3421

Active Ingredient(s) and/or representative test compound(s)

0.25% PERMETHRIN

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)

EPA Registration Number/File Symbol

45385-98

Date

NOV 30 2010

Product Name

0.25% MULTIPURPOSE INSECTICIDE

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).



I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)



I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).



I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]



I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

HRM

Date

NOV 30 2010

Typed or Printed Name and Title

H. R. MCLANE, INC. Agent

INDEX

SUBJECT

90 RESPONSE TO PDCI DATED MAY 28, 2009.

FOR 3 "PERMETHRIN" PRODUCTS

REGISTRANT
CTX-CENOL INCORPORATED
P.O.BOX 472
TWINSBURG, OH 44087

4 CTX MGK 264 PRODUCTS

3 EPA REG. NO.'S 45385-69; 98; 99

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EPA 8570-1 90 DAY FOR MAY 28, 2009 PERMETHRIN PDCI ALL 3 PRODUCTS..	4
REQUIRMENTS STATUS AND REGISTRANTS FORMS ALL 3 PRODUCTS..	5
EPA FORM 8570-27- FORMULATORS EXEMPTIONFOR ALL PRODUCT...	6

a. RETURN POSTCARD; EPA ACKNOWLEDGEMENT OF RECEIPT.

b. TWO RETURN H. R. MCLANE, INC. ADDRESS STICKERS.

SEP 02 2009

9/13/09
PRB 84



INCORPORATED

P.O. Box 472

Twinsburg, OH 44087

SEP 02 2009

DOCUMENT PROCESSING DESK; 2009 PDCI / 90 RESPONSE
SPECIAL REVIEW & REREGISTRATION BRANCH (7508-P)
OFFICE OF PESTICIDE PROGRAMS
ENVIRONMENTAL PROTECTION AGENCY
1200 PENNSYLVANIA AVE. N.W.
WASHINGTON D.C. 20460-001

ATTN: DR'S... STOKES, DUTCH, BRISCOE, ADLER:

On behalf of CTX CENOL CORPORATION, I hereby certify that product/products (EPA Reg. No./Nos.: [45385- 1;17; 24; 25; 28; 30; 48; 62; 76; 8; 81; 82;) are relying on the product-specific data previously or concurrently submitted [cited for reregistration under the pyrethrins RED PDCI]. Additionally, I further certify on behalf of [CTX CENOL CORPORATION) that each product label will be (or has been) revised to include the RED label changes specified for the reregistration of iperonyl butoxide, MGK-264, and Jorpermethrin PDCIs in combination with the pyrethrins label requirements and will be submitted to the Agency no later than the 8-month response due date for pyrethrins.

SINCERELY
CTX CENOL CORP.

BART BAKER; VICE PRESIDENT

A handwritten signature in black ink, appearing to be 'Bart Baker', written over a horizontal line.

SEP 02 2009

Product ingredient source information may be entitled to confidential treatment



United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

PAGE 1 OF 1

EPA REG 45385-98

Applicant's Name and Address

CTX CENOL CORP.
P.O. BOX 472
TWINSBURG, OH 44087

EPA File Symbol/Registration Number

45385-98

Product Name

CENOL 0.25% MULTIPURPOSE

Date of Confidential Statement of Formula (EPA Form 8570-4)

INSECTICIDE
SEP 02 2009

As an authorized representative of the applicant for registration of the product identified above, I certify that:

- (1) This product contains the following active ingredient(s):

ACTIVE INGREDIENTS:

PERMETHRIN 0.25 %

OTHER INGREDIENTS: 89.75 %

Total . . . 100.00 %

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

- (3) Indicate by checking (A) or (B) below which paragraph applies:

☐ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
1. PERMETHRIN		
Signature <i>[Signature]</i>	Name and Title H. R. MCLANE, INC.; AGENT	Date SEP 02 2009

**EPA**

United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Data Call-In

EPA
Registration Number
45385-98

Page 1 of 1

Application for Pesticide Section I 90 Day Response to 5-28-09 PDCI **Date: Sep 02, 2009**

1. Company / Product Number: 45385-98		2. EPA Review Managers Stokes; Dutch; Briscoe; Adler		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company Product Name: CENOL 0.25% MULTIPURPOSE INSECTICIDE		PM Number - SRRB Permethrin			
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078 <input type="checkbox"/> Check if this is a new address		6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>			

Section II

<input type="checkbox"/> Amendment- Explain below ()	<input type="checkbox"/> Final Printed Labels in response to
<input checked="" type="checkbox"/> Submission in response to Agency PDCI Dated: 5-28-09	<input type="checkbox"/> Me Too Applications,
<input type="checkbox"/> Notification - Explain Below	<input type="checkbox"/> Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II) THIS IS THE SUBMISSION OF THE 4 PAGES OF THE "REQUIREMENTS STATUS AND REGISTRANTS RESPONSE FORM DATED SEP 2, 2009 FOR THIS PRODUCT AS ONE OF THE 3 Permethrin PRODUCTS LISTED ON THE DATA CALL-IN RESPONSE FORM FOR Permethrin PREVIOUSLY SUBMITTED AND DATED AS AUG. 07, 2009, AND RECEIPT THEREOF HAS BEEN ACKNOWLEDGED ON SEP 1, 2009 BY DR. STOKES. AS INSTRUCTED IN THE PDCI" WE COMPLETE THE SUPPORT FOR THIS PRODUCT BY ENCLOSING: (1) EPA REG. FORM 8570-1; (2) EPA FORM 8570-34 (CITE-OF-DATA) FORM; AND (3) FORM 8570-27, FORMULATORS EXEMPTION STATEMENT.

Section III

1. Material This Product will be packed in:					
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. No. Per Container		Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt. No. Per Container	
Certification must be submitted Date: _____				2. Type of Container <input checked="" type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic HDPE (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 Qt. ; 1 Gal.		5. Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> Label accompanying product	
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other					

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

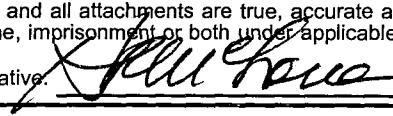
Name: H. R. McLane, Inc. 7210 Red Rd. suite 206A miami, FL 33143	Title: Agent 305-661-1706 CTX Cenol Corporation	Telephone No. (Include Area code) 1-800-2811-7025
---	--	---

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped)
2. Signature: By H. R. McLane 	3. Title Agent	
4. Typed Name of registrant Mr. Bart Baker; Vice President CTX Cenol Corporation	5. Date 09-02-09	

**United States Environmental Protection
Agency Washington D.C. 20460
DATA CALL IN RESPONSE**

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on the form.
Use additional sheets if necessary.

1. Company Name and Address CTX CENOL INC. 7210 RED ROAD SUITE 206A MIAMI, FL 33143		2. Case # and Name 2510 Permethrin Chemical # and Name 109701 Permethrin		3. Dated and Type of DCI and Number 28 May -2009 PRODUCT SPECIFIC ID # PDCI -109701-26513	
4. EPA Product Registration Number	5. I wish to cancel this product regis- tration volun- tarily.	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA regis- tration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled Requirements Status and Registrant's Response.	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled Requirements Status and Registrant's Response.	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled Requirements Status and Registrant's Response.
# 45385-69		N.A.	N.A.		X
# 45385-98		N.A.	N.A.		X
# 45385-99		N.A.	N.A.		X
8. Certification: I certify that the statements on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false statement may be punishable by fine, imprisonment or both under applicable law. H. R. MCLANE, INC. H. R. McLane Signature and Title of Company's Authorized Representative.  (Phone 1-305-661-1706)				9. Date: Aug. 07, 2009	
10. Name of Company: CTX CENOL INC. - Contact : Mr. Bart Baker . Vice Pres.				11. Phone Number 1- 800-281-7026	

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address CTX-CENOL, INC. 7210 RED ROAD, SUITE 206A MIAMI, FL 33143		2. Case # and Name 2510 Permethrin EPA Reg. No. 45385-98			3. Date and Type of DCI and Number 28-May-2009 PRODUCT SPECIFIC ID # PDCI-109701-26513				
4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
	Product Chemistry Data Requirements (Conventional Chemical)								
830.1550	Product Identity and composition (32)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.1600	Description of materials used to produce the product (33)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.1620	Description of production process (34)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	*Option # 6
830.1650	Description of formulation process (35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.1670	Discussion of formation of impurities (36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.1700	Preliminary analysis (26, 27, 37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	*Option # 6
830.1750	Certified limits (38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.1800	Enforcement analytical method (39)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.6302	Color (12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.6303	Physical state (25)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.6304	Odor (21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law. Signature and Title of Company's Authorized Representative <i>H. R. MCLANE, INC. Agent</i>							11. Date Sep. 02, 2009 Phone -305-661-1706) 89		
12. Name of Company CTX Cenol Co. Inc. Contact: Mr. Bart Baker . Vice President							13. Phone Number 1-888-281-7025		

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
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1. Company Name and Address CTX-CENOL, INC. 7210 RED ROAD, SUITE 206A MIAMI, FL 33143		2. Case # and Name 2510 Permethrin EPA Reg. No. 45385-98		3. Date and Type of DCI and Number 28-May-2009 PRODUCT SPECIFIC ID # PDCI-109701-26513					
4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions (28,29,40)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	*Option # 6
830.6314	Oxidizing or reducing action (22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.6315	Flammability (17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.6316	Explosibility (16)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.6317	Storage stability of product (41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	16	*Option # 6
830.6319	Miscibility (20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.6320	Corrosion characteristics (42)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	16	*Option # 6
830.6321	Dielectric breakdown voltage (15)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
830.7000	pH of water solutions or suspensions (23,24)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.7050	UV/Visible absorption					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	*Option # 6
330.7100	Viscosity (30)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	*Option # 6
330.7200	Melting point/melting range (18,19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	*Option # 6

Initial to indicate certification as to information on this page
(Full text of certification is on page one).

HPME

Date

Sep. 02, 2009 90

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
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4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
830.7220	Boiling point/boiling range (10,11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	*Option # 6
830.7300	Density/relative density (13,14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	*Option # 6
830.7370	Dissociation constant in water (47,48)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	*Option # 6
830.7550	Partition coefficient (n-octanol/water), shake flask method (49)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	*Option # 6
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography (54)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	*Option # 6
830.7840	Water solubility: Column elution method, shake flask method (50)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	*Option # 6
830.7860	Water solubility, generator column method (51)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	*Option # 6
830.7950	Vapor pressure (52,53)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	*Option # 6
Toxicology Data Requirements (Conventional Chemical)									
870.1100	Acute Oral Toxicity (1,43)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI,EP,dilute EP?	8	*Option # 6
870.1200	Acute dermal toxicity (2,3,44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI,EP,dilute EP?	8	*Option # 6
870.1300	Acute inhalation toxicity (4)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI & EP	8	*Option # 6

Initial to indicate certification as to information on this page
(full text of certification is on page one).

HRU

Date

Sep. 02, 2009 91

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
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4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
870.2400	Acute eye irritation (5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI & EP	8	*Option # 6
870.2500	Acute dermal irritation (6,7)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI & EP	8	*Option # 6
870.2600	Skin sensitization (8,9)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI & EP	8	*Option # 6
870.7200	Companion animal safety (31)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	CHOICE	8	*Option # 6 *
810.3300	Treatments to control pests of humans and pets (45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	EP	8	*Option # 6
810.3500	Premises treatments (46)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	EP	8	**Option # 6

Indicate certification as to information on this page
(certification is on page one).

Handwritten signature

Date

Sep. 02, 2009

92

United States



Environmental Protection Agency

Office of Pesticide Programs (7505C)

Washington, DC 20460

ER VE 8/21/09

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

After a registrant has obtained final registration for the basic product, the registrant may then supplementally distribute his/her product. One form must be submitted for each distributor product and must be signed by the distributor involved. The basic registration number and the distributor company number must be shown.

If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationery, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product

45385-98

Distributor Company Number

85875

Note: Do not submit distributor product labels

Name of Registered Product (basic product name accepted by EPA)

Cenol 0.25% Multipurpose Insecticide

Distributor Product Name

Flea & Tick Spray

Name and Address of Distributor (Type; include ZIP code)

ACP Worldwide
138 West Drive
Lodi, OH 44254

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. The product must remain in the manufacturer's unbroken container.
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...", "distributed by..."; or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor

Date

Anthony J. Thompson owner

8/3/09

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant

Date

BNB VP

7/23/09



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
401 M. Street SW
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

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If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationary, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product
1839-190

Distributor Company Number

36558

Note: Do not submit distributor product labels

Name of Registered Product (basic product name accepted by EPA)
STEPAN® Disinfectant Wipe

Distributor Product Name

Winn Dixie HOUSEHOLD disinfecting wipes (LEMON)

Name and Address of Distributor (Type; include ZIP code)

WINN DIXIE STORES, INC.
5050 EDGEWOOD COURT
JACKSONVILLE, FL 32254

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. The product must remain in the manufacturer's unbroken container.
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...", "distributed by..."; or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor

Date

S. Moore Laundry Category Mgr.

7/8/01

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant

Date

Bruce L. Greene

PRODUCT REGISTRATION SPECIALIST JUL 22 2001

1626-2
JR

Please Read All Instructions Before Completing this Form (Form must be typed) Form Approved, OMB No. 2070-0044. Approval Expires 1-



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
401 M. Street SW
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

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This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product
1839-190

Distributor Company Number

36558

Note: Do not submit distributor product labels

Name of Registered Product (basic product name accepted by EPA)
STEPAN® Disinfectant Wipe

Distributor Product Name

Winn Dixie HOUSEHOLD disinfecting wipes (FRESH)

Name and Address of Distributor (Type; include ZIP code)

WINN DIXIE STORES, INC.
5050 EDGEWOOD COURT
JACKSONVILLE, FL 32254

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
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7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor

Date

Susan Moore Laundry Cal. Mgr.

7/2/09

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant

PRODUCT REGISTRATION SPECIALIST JUL 22 2009

Date

Bruce L. Greene



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
401 M. Street SW
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

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This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product
1839-190

Distributor Company Number
86018

Note: Do not submit distributor product labels

Name of Registered Product (basic product name accepted by EPA)
STEPAN® Disinfectant Wipe

Distributor Product Name
America's Choice Disinfecting Wipes
Fresh Scent

Name and Address of Distributor (Type; include ZIP code)

OnPoint, Inc.
2 Paragon Drive
Montvale, NJ 07645

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
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7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor

Mon Simone

Senior Quality Assurance Manager

Date

5/6/09

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant

Bruce L. Greene

PRODUCT REGISTRATION SPECIALIST MAY 06 2009

Date

MATERIAL TO BE ADDED TO JACKET

REG #

45385-98

Description:

PR Notice 2007-4

Change

check all that apply	
<input type="checkbox"/>	new stamped accepted label
<input type="checkbox"/>	new CSF
<input checked="" type="checkbox"/>	notification <i>Label</i>

Send to CSC

Instructions:

Attach this sheet to the top of **ALL** material sent to the file room (both loose paper and new material in jackets). This sheet will be imaged; a clear description will aid in finding material in the e-jacket. Remove staples from all material. If returning loose paper then hold together with a binder or paper clip. CSFs should be placed in the CSF folder (if returning jacket) or covered with a red CBI sheet (if returning loose paper). Material to be returned to file room should be place in the appropriate bin.

Reviewer's
Name:

Banza Djapao

Date: 3-26-2009

Phone:

703-305-7269

Division:

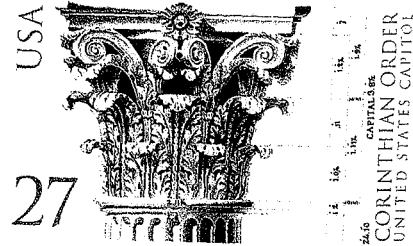
RD



H. R. McLANE, INC.
7210 Red Road, Suite 206A
Miami, Florida 33143-5321
Chemical Labels Since 1948



H. R. McLANE, INC.
7210 Red Road, Suite 206A
Miami, Florida 33143-5321
Chemical Labels Since 1948



TO: H. R. McLANE, INC.
7210 Red Road, Suite 206A -
Miami, Florida 33143 - 5321

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H. R. McLANE, INC.
7210 Red Road, Suite 206A
Miami, Florida 33143-5321
Chemical Labels Since 1948



H. R. McLANE, INC.
7210 Red Road, Suite 206A
Miami, Florida 33143-5321
Chemical Labels Since 1948

his is an acknowledgement Receipt		EPA of <u>7</u> page Dossier
PRODUCT NAME of RECORD: EPA REG. NO. <u>45385-98</u>		
<u>CENOL 0.25% MULTIPURPOSE</u>		
REGISTRANT NAME: <u>CTX CENOL</u>		
NOTIFICATION FOR: <u>PR NOTICE 2007-4</u>		
THIS DATE: <u>12-30-08</u>		
SUBMITTED BY H. R. McLANE, INC. MIAMI, FL 33143		
TO: <u>DR. LINDA D'LOUISE</u>		PM: <u>13</u>
EPA SIGNATURE & DATE OF RECEIPT: DATE: <u>→</u>		
<u>→</u>		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. H.R. McLane
Agent for CTX Cenol Corporation
C/O H.R. McLane Inc
7210 Red Road, Suite 206A
Miami, FL 33143-5321

MAR 6 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated December 30, 2008 for:

EPA Registration 45385-98 Cenol 0.25% Multipurpose Insecticide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda", is located below the word "Sincerely,".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

**EPA**

United States
Environmental Protection Agency
Washington, DC 20460

Registration

Amendment

☒ Notification**EPA**

Registration No.

45385-98

Page 3 of 7

Application for Pesticide Section I PR NOTICE 2007-4 Notification Date: Dec. 30, 2008

1. Company / Product Number: 45385-98		2. EPA Product Manager Dr. Linda D'Luise		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company Product Name: CHEM-tox™ CENOL 0.25% MULTIPURPOSE INSECTICIDE		PM Number - 13			
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078		6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: NOTIFICATION EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>			
<input type="checkbox"/> Check if this is a new address		MAR 6 2009			

Section II

<input type="checkbox"/> Amendment- Explain below (-----)	Final Printed Labels in response to
<input type="checkbox"/> Resubmission in response to Agency Letter Dated: _____	Me Too Applications,
<input checked="" type="checkbox"/> Notification -Explain Below Compliance with PRN 2007-4	-- Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II) *This is a NOTIFICATION that conforms to PR NOTICE 2007-4 concerning the STORAGE AND DISPOSAL required changes as found in the center panel which is page 4 of 7 in this 7 page dossier using the last EPA reviewed NOTIFICATION version dated June 30, 2004 as the base version for this NOTIFICATION. The certification for this PR NOTICE 2007-4 NOTIFICATION appears in our cover letter. Please place this as a permanent portion of the file for this product. Thank you.*

Section III

1. Material This Product will be packaged in:		2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. No. Per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt. No. Per Container	<input type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic HDPE (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 Qt.; 1 Gal.	5. Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> Label accompanying product
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled		Other	

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

Name: H. R. McLane, Inc. 7210 Red Rd. suite 206A miami, FL 33143	Title: Agent 305-661-1706 CTX Cenol Corporation	Telephone No. (Include Area code) 1-800-321-3421
---	--	--

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped)
2. Signature: By H. R. McLane 	3. Title Agent	
4. Typed Name of registrant Mr. Bart Baker; Vice President CTX Cenol Corporation	5. Date 12-30-08	

EPA

INDEX

NOTIFICATION TO COMPLY WITH PR NOTICE 2007-4 CONCERNING
THE STORAGE AND DISPOSAL SECTION REVISED COPY.

NOTIFICATION

MAR 06 2009

REGISTRANT
CTX-CENOL INCORPORATED
P.O.BOX 472
TWINSBURG, OH 44087
COMPANY CONTACT MR. BART BAKER, VICE PRES.

TO: EPA' DR. LINDA D'LUISE PM-13

PRODUCT NAME

CHEMTOX CENOL 0.25% MULTIPURPOSE INSECTICIDE
EPA REG. NO. 45385-98

SUBJECT OF NOTIFICATION: PR NOTICE 2007-4

PAGE

INDEX 1
COVER LETTER to: DR. LINDA D'LUISE .. PM-13..... 2
1 COPY OF EPA FORM 8570-1 EPA REG. NO. 45385-98... 3
1 COPY, AS REQUIRED, OF THE 4 PAGE DRAFT LABEL 4,5,6,7

NOTIFICATION

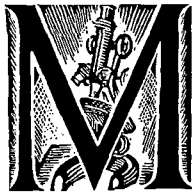
PR NOTICE 2007-4 COPY IS FOUND IN THE STORAGE AND
DISPOSAL SECTION; "HI-LITED"; IN THE CENTER SECTION
OF LABEL UNIT 1 OF 4 ALSO SEE ."PRODUCT BATCH CODE NO. ____"

THIS PRODUCT'S LAST EPA ACCEPTED LABEL "WITH 9 COMMENTS"
IS DATED JUNE 19, 2004 AND THAT CORRECTED FINAL LABEL
SUBMITTED TO EPA IS DATED JUNE 30, 2004 AND IS USED AS
THE BASE LABEL COPY FOR THIS.... PR NOTICE 2007-4rev.
NOTIFICATION..... APPLICATION.

RETURN POSTCARD FOR EPA SIGNATURE OF RECEIPT

MAILING STICKERS FOR RETURN TO H. R. MCLANE, INC.

DEC 30 2008



H. R. McLANE, INC.

7210 Red Road, Suite 206A - Miami, Florida 33143-5321 U.S.A.
Phone 305 661 1706 - Fax 305 661 3036 - E-Mail Hrmclaneinc@bellsouth.net
Consulting in EPA Regulatory Affairs
FIFRA Licensing & Registrations - Since 1948

page 2 of 7

DEC. 30, 2008

DR. LINDA D'LUISE; PM-13
DOCUMENT PROCESSING DESK (PRN-2007-4-NOTIFICATION)
OFFICE OF PESTICIDE PROGRAMS (7504 - P)
ENVIRONMENTAL PROTECTION AGENCY
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

PHONE 703-305-5428
FAX 703-305-6596

Subject: NOTIFICATION: TO COMPLY WITH REQUIREMENTS OF PR NOTICE 2007-4.
Registrant: CTX CENOL INCORPORATED; EPA EST. NO. 45385-OH-1
P.O. BOX 472 - TWINSBURG, OH 44087
CO. CONTACT: MR. BART BAKER; VICE PRESIDENT.
Product: "CHEMTOX CENOL 0.25% MULTIPURPOSE INSECTICIDE
EPA REG.NO.45385-98

DEAR DR. D'LUISE:

THIS NOTIFICATION DEALS WITH THE STORAGE AND DISPOSAL
REVISED LABEL COPY REQUIRED BY PR NOTICE 2007-4 AS FOUND
IN THE LEFT COLUMN OF THE ENCLOSED 1 PAGE DRAFT LABEL
PAGENATED AS 4 OF 4 IN THIS DOSSIER. THE LAST EPA REVIEWED
NOTIFICATION LABEL OF JUNE 30, 2004 IS USED AS THE BASE LABEL
FOR THIS "NOTIFICATION".

	PAGE
INDEX	1
COVER LETTER to: DR. LINDA D'LUISE.PM-13.....	2
1 COPY OF EPA FORM 8570-1 EPA REG. NO. 45385-98..	3
1 COPY, AS REQUIRED, OF 4 PAGE DRAFT LABEL	4,5,6,7

-----> CERTIFICATION FOR THIS NOTIFICATION

"This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, 156.156. No other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the terms of 40 CFR 156-10, 156.140 156.144M 156.146M 156. this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Sincerely

H. R. McLANE, INC

H. R. McLane, Agent for
MR. BART BAKER - VICE PRESIDENT.

HRM/nb/ encl: as above. cc/BB/CTXCENOL

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "**Ready to use**". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING.

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 weeks if required.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS (ADULTS and LARVAE) and TICKS (ADULTS and LARVAE):

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

PR NOTICE 2007-4-rev. NOTIFICATION VERSION

Order Code 0-312

CHEM•tox™

CENOL 0.25% MULTI PURPOSE INSECTICIDE •FOR DOMESTIC USE INDOORS and OUTDOORS

- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- *Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.*

KEEP OUT OF REACH OF CHILDREN CAUTION

See side panels for additional Precautionary Statements.

STOP: Read Label Before Use

ACTIVE INGREDIENT:

Permethrin CAS [52645-53-1] - - - - 0.25%

OTHER INGREDIENTS: - - - - - 99.75%

TOTAL: - - - - - 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters.

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL IF EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

PRODUCT BATCH CODE NO.

Net Contents: 1 Qt.; 1 Gal / 3.785 Liters

CTX CENOL INC. P.O. BOX 472 • TWINSBRUG, OH 44087

Label Unit 1 OF 4

DIRECTIONS FOR USE continued

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK. To protect cattle (beef and dairy), goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POU' HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS:

Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready-To-Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (12-30-08)

CENOL 0.25% MULTIPURPOSE INSECTICIDE

Label unit 2 o 4

EPA REG. NO. 45385-98 EPA EST. NO. 45385-OH-01

FOR HOME VEGETABLE GARDENS

Dilute before using. Use A clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn below.		
CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon.	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
LEAFY VEGETABLES: Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garden) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach. Swiss chard,	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons - See Cucurbits		

VEGETABLE	TARGET PESTS	REMARKS
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Peppers	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

TREES	TARGET PESTS	REMARKS
Fruit or Nut Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS:

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers.

May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders' and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth.

Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using.

Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage.

Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak, Fall Webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Firs; Elm Leaf Beetles and Elm Spanworms on elms.

Flush sprayer with clean water after each use.

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully, however it is impossible eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX CENOL INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

CTX CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX CENOL INC.'s option, the replacement of the product.

NOTIFICATION

MAR 06 2009

**EPA**

United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Data Call-In

EPA
Registration Number
45385-98

Application for Pesticide Section I 8 Mth Response to 5-28-09 PDCI **Date: Nov. 30, 2010**

1. Company / Product Number: 45385-98	2. EPA Review Managers Stokes; Dutch; Briscoe; Adler	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company Product Name: CENOL 0.25% MULTIPURPOSE INSECTICIDE	PM Number - SRRB Permethrin	
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078 <input type="checkbox"/> Check if this is a new address	6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>	

Section II

<input type="checkbox"/> Amendment- Explain below ()	Final Printed Labels in response to
<input checked="" type="checkbox"/> Submission in response to Agency PDCI Dated: 5-28-09	Me Too Applications,
<input type="checkbox"/> Notification - Explain Below	Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II) THIS IS THE SUBMISSION OF THE 4 PAGES OF THE "REQUIREMENTS STATUS AND REGISTRANTS RESPONSE FORM DATED SEP 2, 2009 FOR THIS PRODUCT AS ONE OF THE 3 Permethrin PRODUCTS LISTED ON THE DATA CALL-IN RESPONSE FORM FOR Permethrin PREVIOUSLY SUBMITTED AND DATED AS AUG. 07, 2009, AND RECEIPT THEREOF HAS BEEN ACKNOWLEDGED ON SEP 1, 2009 BY DR. STOKES. AS INSTRUCTED IN THE PDCI "WE COMPLETE THE SUPPORT FOR THIS PRODUCT BY ENCLOSING: (1) EPA REG. FORM 8570-1; (2) EPA FORM 8570-34 (CITE-OF-DATA) FORM; AND (3) FORM 8570- 27, FORMULATORS EXEMPTION STATEMENT and the DATA MATRIX FORM 8570-35.

Section III

1. Material This Product will be packed in:				2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Certification must be submitted Date: _____	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. _____ No. Per Container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt. _____ No. Per Container _____	<input checked="" type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic HDPE (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 6 Oz., 12Oz. 1 Qt. ; 1 Gal.		5. Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> Label accompanying product	
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other	

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

Name: **H. R. McLane, Inc.** Title: **Agent 305-661-1706** Telephone No. (Include Area code) **1-800-2811-7025**
7210 Red Rd. suite 206A miami, FL 33143 **CTX Cenol Corporation**

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped)
2. Signature: By, H. R. McLane 	3. Title Agent	
4. Typed Name of registrant Mr. Bart Baker; Vice President CTX Cenol Corporation	5. Dat NOV 30 2010 11-30-10	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant/Registrant's Name, Address, and Telephone Number CTX-Cenol, Inc., 1393 E. Highland Road, Twinsburg, OH 44087 TEL: (636) 942-2583	EPA Registration Number/File Symbol 45385-98
Active Ingredient(s) and/or representative test compound(s) Permethrin	Date August 13, 2012
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial non-food, Domestic Outdoor, Indoor	Product Name Cenol 0.25% Multi-Purpose Insecticide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☒ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
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SECTION II: GENERAL OFFER TO PAY

(Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements)

☐ I hereby offer and agree to pay compensation, to other persons with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 08/13/2012	Typed or Printed Name and Title Sharon M. Johnston / Regulatory Consultant
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